

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055171.D
 Acq On : 22 Apr 2019 10:12
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 05:01:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	715216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	610048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230748	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	121857	18.34	ug/l	0.00
Spiked Amount			Recovery	=	36.68%	
35) Dibromofluoromethane	7.59	113	102721	20.02	ug/l	0.00
Spiked Amount			Recovery	=	40.04%	
50) Toluene-d8	10.09	98	365404	19.67	ug/l	0.00
Spiked Amount			Recovery	=	39.34%	
62) 4-Bromofluorobenzene	12.40	95	113354	19.36	ug/l	0.00
Spiked Amount			Recovery	=	38.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	127120	21.809	ug/l	100
3) Chloromethane	2.06	50	143495	20.091	ug/l	99
4) Vinyl Chloride	2.19	62	117608	20.550	ug/l	96
5) Bromomethane	2.56	94	62664	18.880	ug/l	97
6) Chloroethane	2.71	64	61756	19.956	ug/l	98
7) Trichlorofluoromethane	3.02	101	157716	20.250	ug/l	94
8) Diethyl Ether	3.41	74	56311	20.257	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	95405	19.631	ug/l	98
10) Methyl Iodide	3.96	142	142516	21.827	ug/l	99
11) Tert butyl alcohol	4.79	59	32712	93.057	ug/l	99
12) 1,1-Dichloroethene	3.74	96	91995	19.752	ug/l	98
13) Acrolein	3.61	56	52573	109.838	ug/l	99
14) Allyl chloride	4.33	41	180429	19.596	ug/l	98
15) Acrylonitrile	4.99	53	194884	99.335	ug/l	99
16) Acetone	3.82	43	233312	115.180	ug/l	97
17) Carbon Disulfide	4.06	76	262809	20.183	ug/l	98
18) Methyl Acetate	4.33	43	86909	15.546	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	254614	19.772	ug/l	99
20) Methylene Chloride	4.55	84	109003	18.718	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	99554	20.384	ug/l	99
22) Diisopropyl ether	5.95	45	366406	19.964	ug/l	97
23) Vinyl Acetate	5.90	43	1245958	101.023	ug/l	99
24) 1,1-Dichloroethane	5.85	63	197394	19.995	ug/l	99
25) 2-Butanone	6.84	43	270818	103.557	ug/l	98
26) 2,2-Dichloropropane	6.82	77	131298	19.654	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	112956	20.063	ug/l	99
28) Bromochloromethane	7.20	49	101978	20.265	ug/l	99
29) Tetrahydrofuran	7.21	42	159163	96.832	ug/l	99
30) Chloroform	7.37	83	185114	19.713	ug/l	98
31) Cyclohexane	7.66	56	191407	16.886	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	149630	19.834	ug/l	100
36) 1,1-Dichloropropene	7.79	75	137868	20.769	ug/l	99
37) Ethyl Acetate	6.93	43	100887	18.190	ug/l #	81
38) Carbon Tetrachloride	7.78	117	127572	19.234	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156696	19.786	ug/l	98
40) Benzene	8.04	78	421823	20.585	ug/l	99
41) Methacrylonitrile	7.17	41	52242	19.106	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	142385	19.917	ug/l	99
43) Isopropyl Acetate	8.17	43	173923	20.048	ug/l #	87
44) Trichloroethene	8.84	130	103864	20.053	ug/l	99
45) 1,2-Dichloropropane	9.12	63	115768	20.014	ug/l	99
46) Dibromomethane	9.21	93	66269	20.013	ug/l	99
47) Bromodichloromethane	9.40	83	135955	20.510	ug/l	99
48) Methyl methacrylate	9.20	41	77868	18.504	ug/l	95
49) 1,4-Dioxane	9.20	88	18462	379.898	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	482691	96.692	ug/l	100
52) Toluene	10.16	92	243838	20.298	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119453	19.636	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	151617	20.084	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	89732	20.260	ug/l	97
56) Ethyl methacrylate	10.43	69	108059	19.586	ug/l	100
57) 1,3-Dichloropropane	10.71	76	157056	20.382	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	170098	95.624	ug/l	99
59) 2-Hexanone	10.75	43	320665	101.695	ug/l	100
60) Dibromochloromethane	10.90	129	93273	20.446	ug/l	98
61) 1,2-Dibromoethane	11.00	107	82826	19.891	ug/l	99
64) Tetrachloroethene	10.63	164	100960	20.287	ug/l	97
65) Chlorobenzene	11.43	112	239503	19.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94075	20.385	ug/l	99
67) Ethyl Benzene	11.51	91	443397	19.990	ug/l	100
68) m/p-Xylenes	11.62	106	323520	40.667	ug/l	99
69) o-Xylene	11.95	106	160338	20.309	ug/l	98
70) Styrene	11.96	104	250828	20.497	ug/l	98
71) Bromoform	12.13	173	55226	20.053	ug/l #	100
73) Isopropylbenzene	12.25	105	423032	19.097	ug/l	100
74) N-amyl acetate	12.07	43	112974	18.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106095	18.098	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	120500	27.865	ug/l #	100
77) Bromobenzene	12.53	156	98878	19.410	ug/l	98
78) n-propylbenzene	12.59	91	452877	19.570	ug/l	100
79) 2-Chlorotoluene	12.67	91	281400	19.258	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	337493	19.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22353	18.101	ug/l	94
82) 4-Chlorotoluene	12.77	91	261727	19.468	ug/l	100
83) tert-Butylbenzene	12.99	119	293859	19.016	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	324940	19.934	ug/l	100
85) sec-Butylbenzene	13.17	105	367935	18.828	ug/l	98
86) p-Isopropyltoluene	13.29	119	316735	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152850	19.546	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	144678	19.002	ug/l	99
89) n-Butylbenzene	13.61	91	228461	19.144	ug/l	97
90) Hexachloroethane	13.87	117	53676	18.798	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	155341	19.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12921	18.440	ug/l	99

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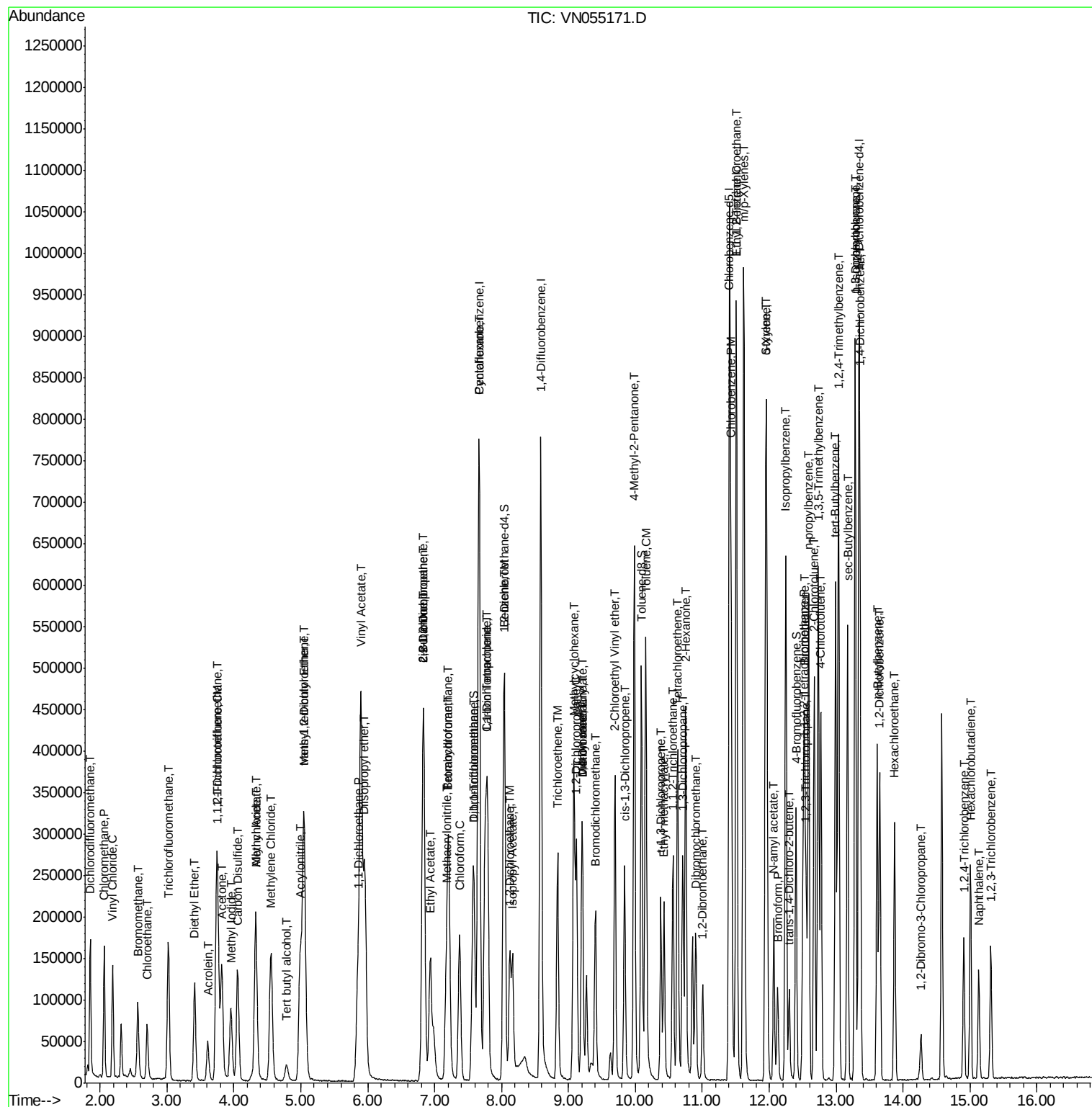
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54383	19.179	ug/l	98
94) Hexachlorobutadiene	15.01	225	52443	18.243	ug/l	94
95) Naphthalene	15.13	128	111557	18.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57346	19.439	ug/l	98

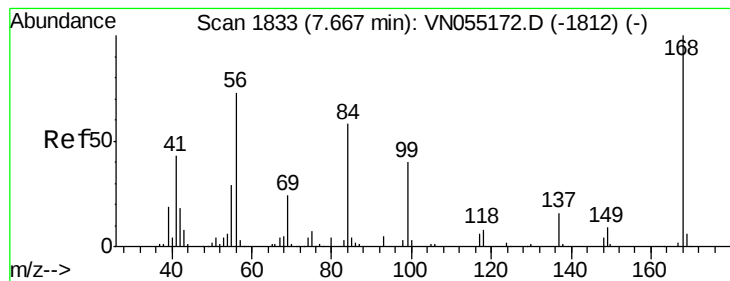
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042219\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

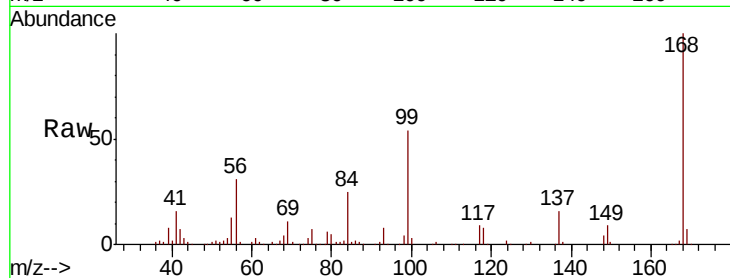
VSTDIC020

Tot Ion:168 Resp: 452705

Ion Ratio Lower Upper

168 100

99 53.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

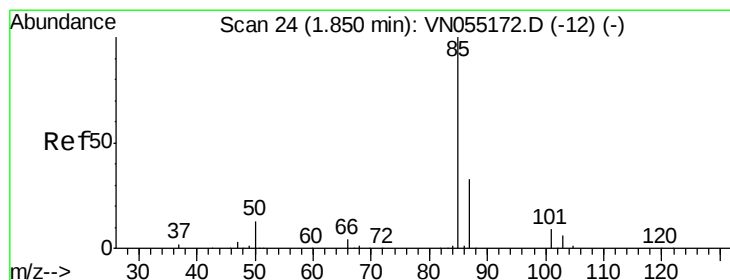
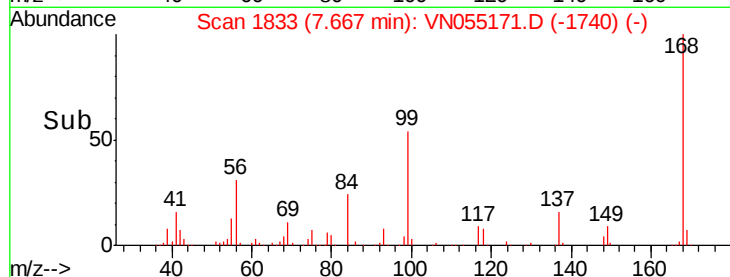
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.809 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055171.D

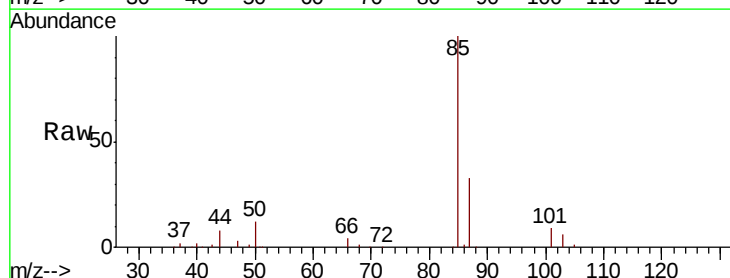
Acq: 22 Apr 2019 10:12

Tgt Ion: 85 Resp: 127120

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

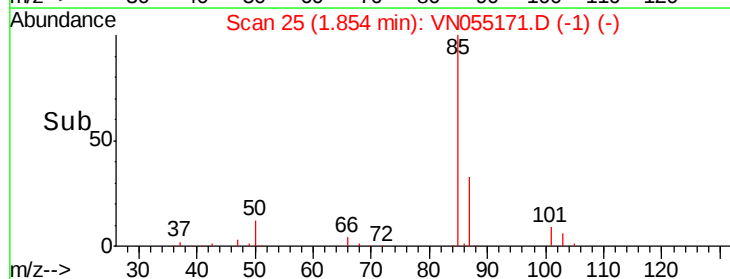
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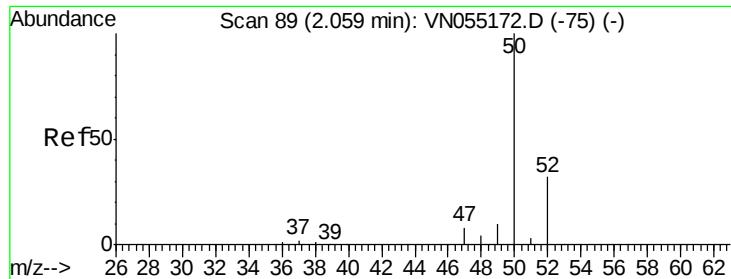
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0

1.80 1.85 1.90 1.95

Time-->

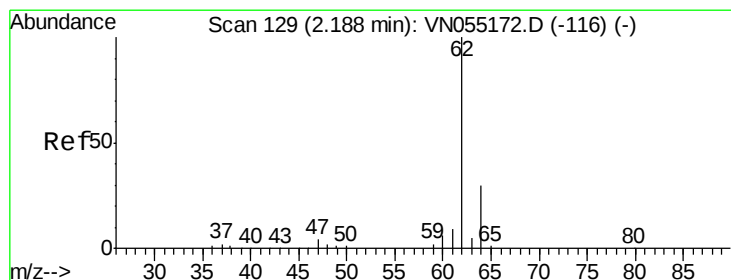
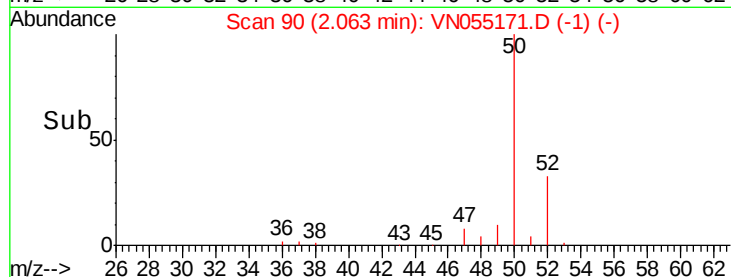
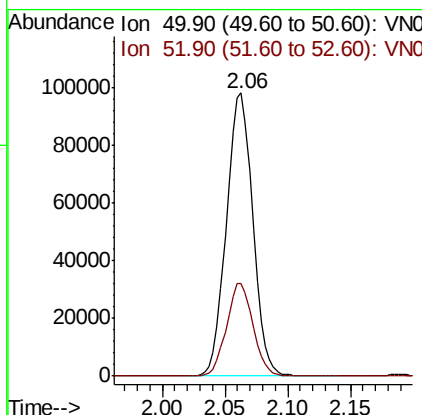
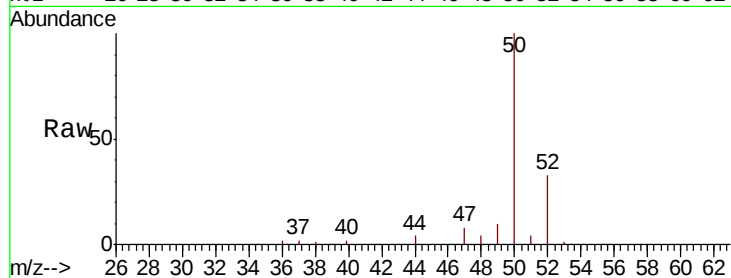




#3
Chloromethane
Concen: 20.091 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

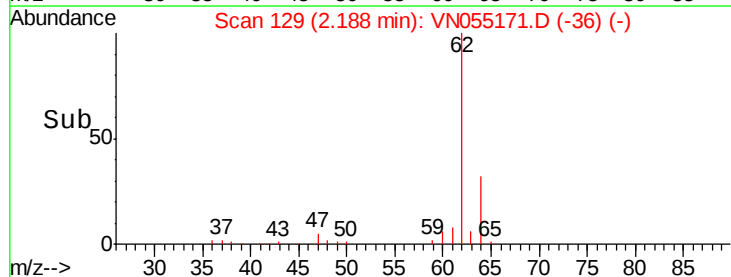
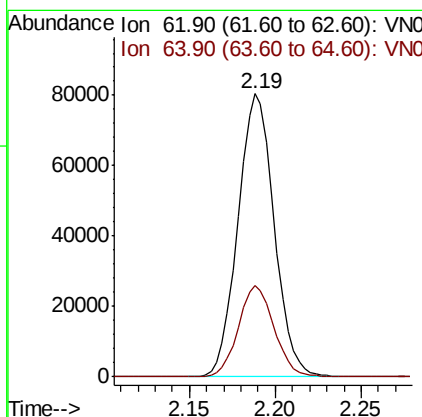
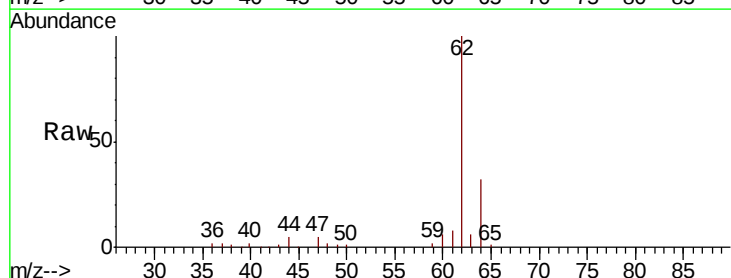
Instrument :
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ClientSampled :
VSTDIC020

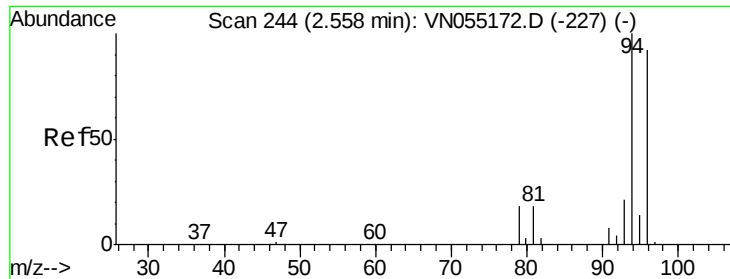
Tot Ion: 50 Resp: 143495
Ion Ratio Lower Upper
50 100
52 33.0 25.8 38.6



#4
Vinyl Chloride
Concen: 20.550 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 62 Resp: 117608
Ion Ratio Lower Upper
62 100
64 32.2 24.2 36.4

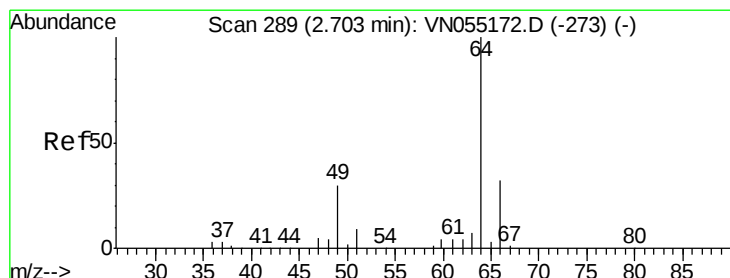
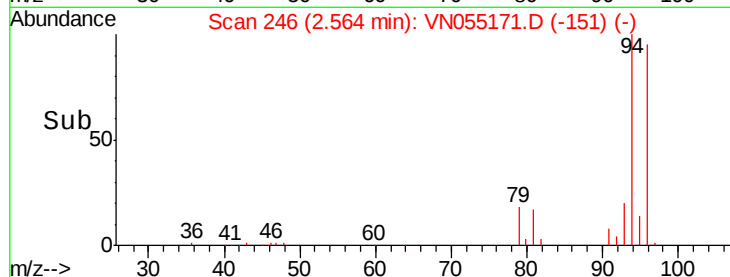
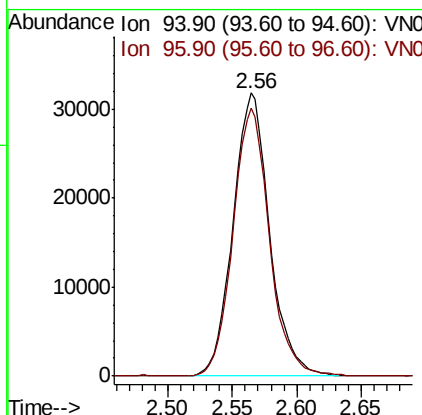
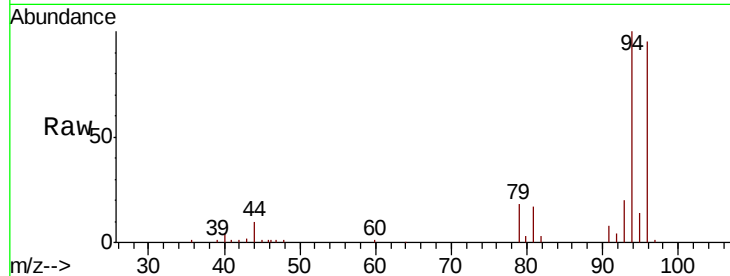




#5
Bromomethane
Concen: 18.880 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

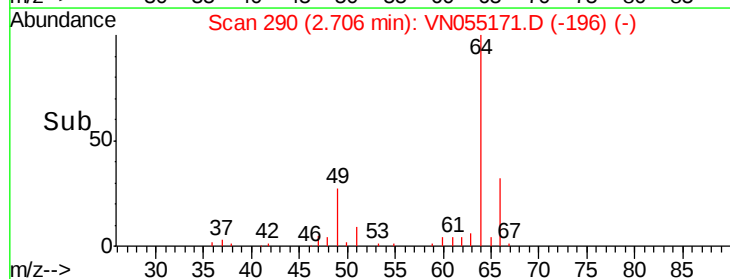
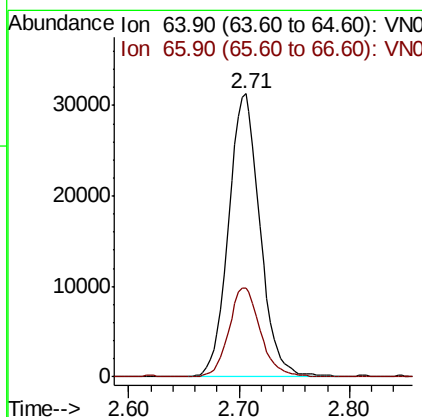
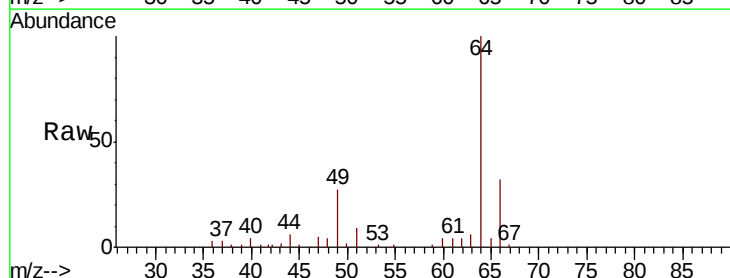
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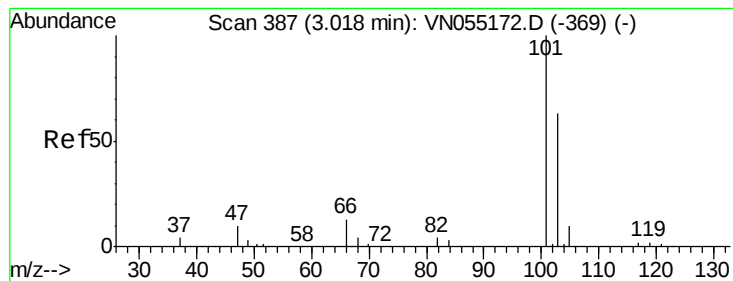
Tot Ion: 94 Resp: 62664
Ion Ratio Lower Upper
94 100
96 94.6 73.4 110.2



#6
Chloroethane
Concen: 19.956 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 64 Resp: 61756
Ion Ratio Lower Upper
64 100
66 31.6 25.9 38.9



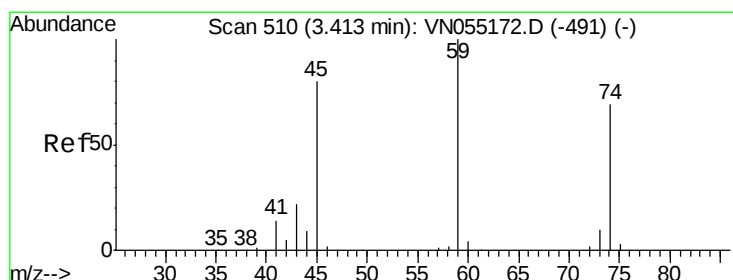
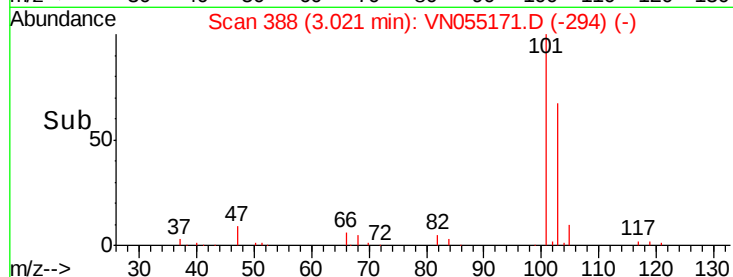
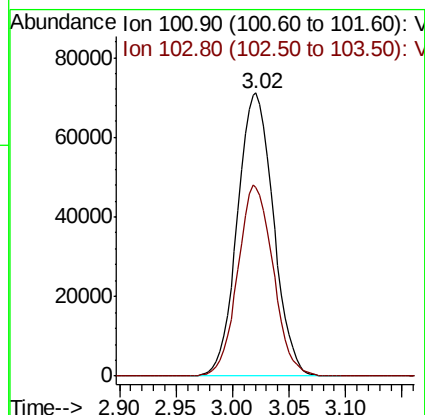
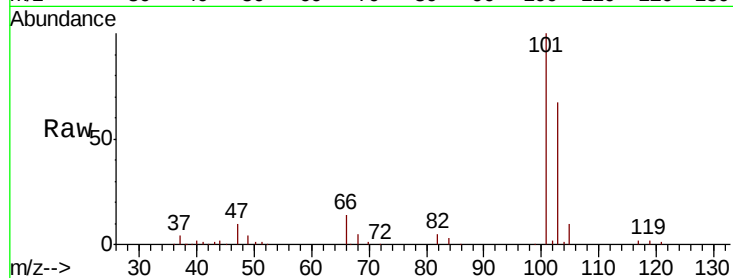


#7

Trichlorofluoromethane
Concen: 20.250 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055171.D
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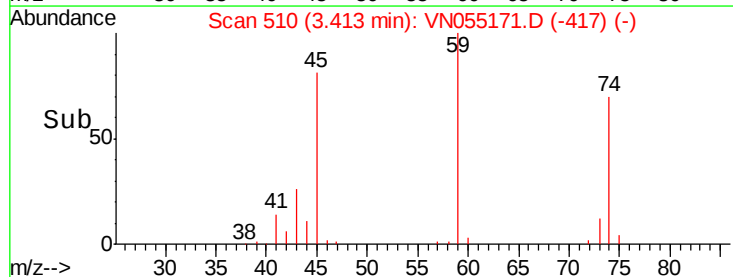
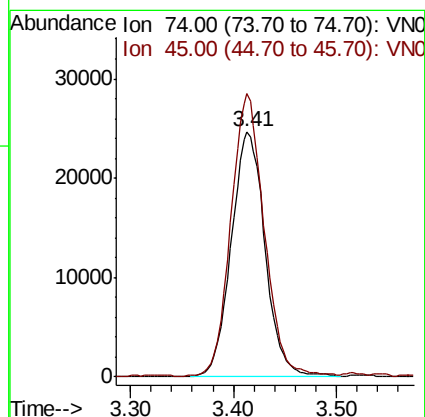
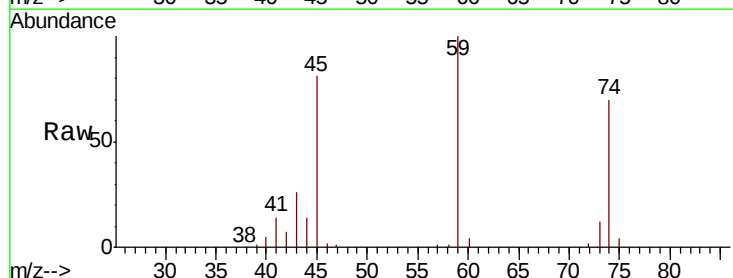
Tot Ion:101 Resp: 157716
Ion Ratio Lower Upper
101 100
103 66.9 50.1 75.1

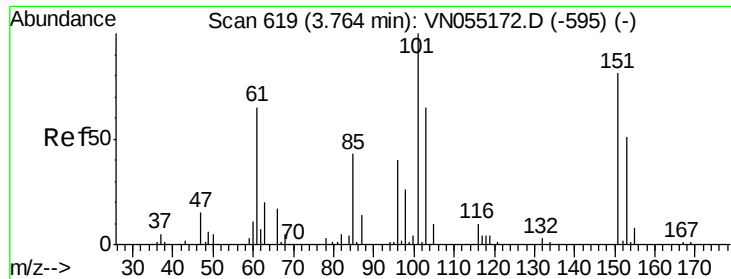


#8

Diethyl Ether
Concen: 20.257 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 74 Resp: 56311
Ion Ratio Lower Upper
74 100
45 114.6 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.631 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

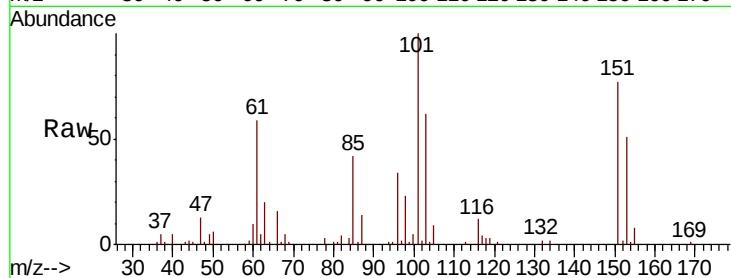
Tot Ion:101 Resp: 95405

Ion Ratio Lower Upper

101 100

85 44.7 34.9 52.3

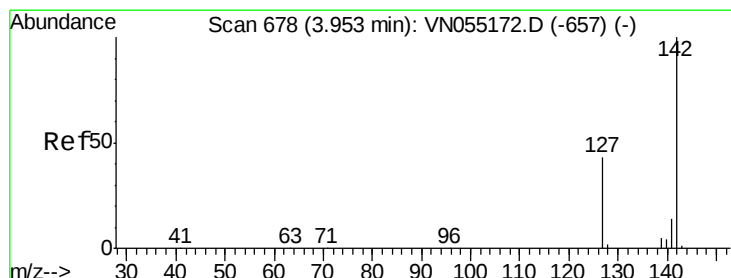
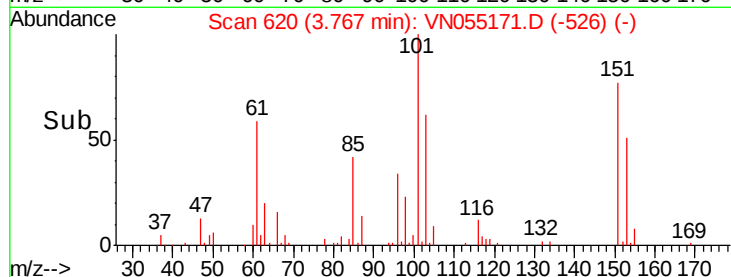
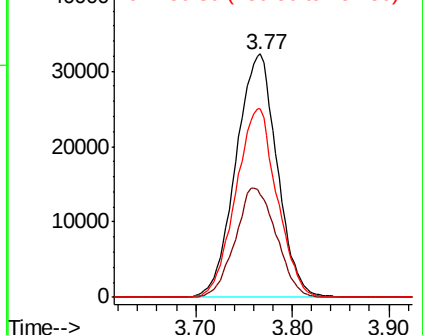
151 77.6 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.827 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

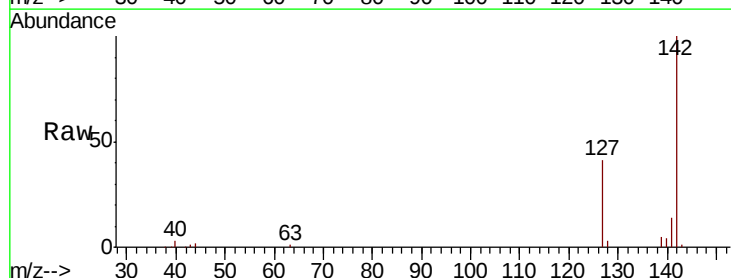
Tgt Ion:142 Resp: 142516

Ion Ratio Lower Upper

142 100

127 41.7 34.1 51.1

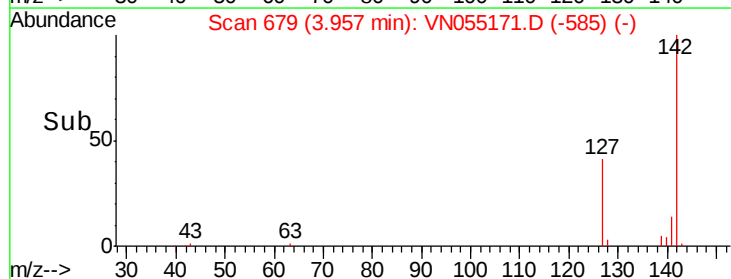
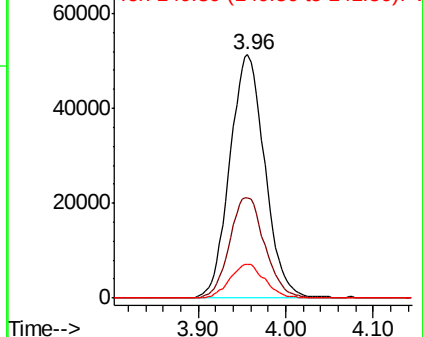
141 13.8 11.4 17.2

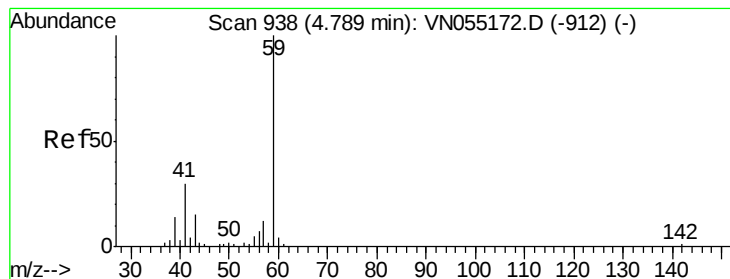


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



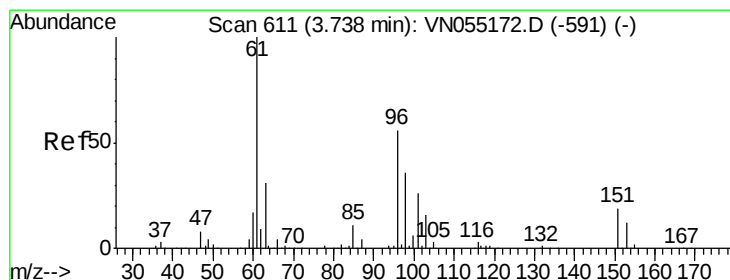
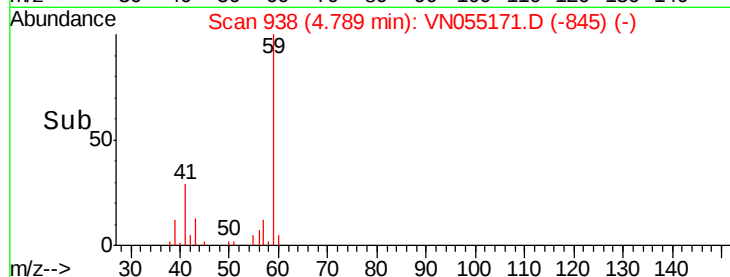
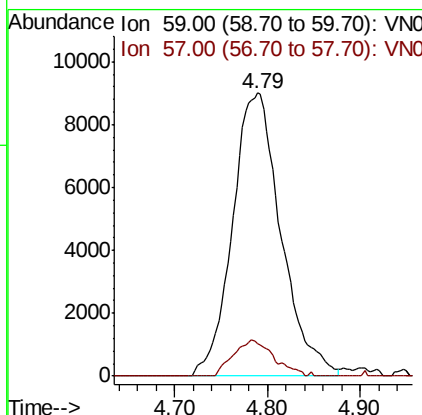
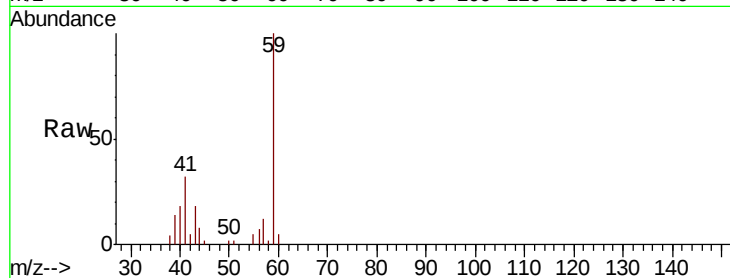


#11

Tert butyl alcohol
 Concen: 93.057 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

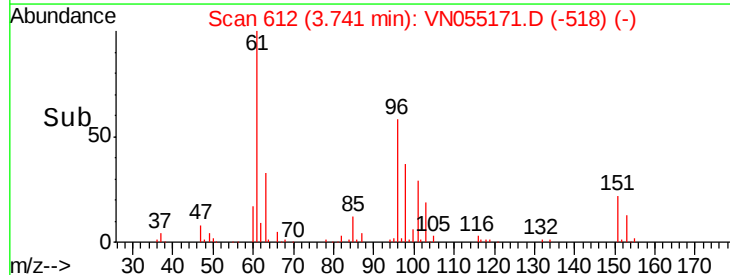
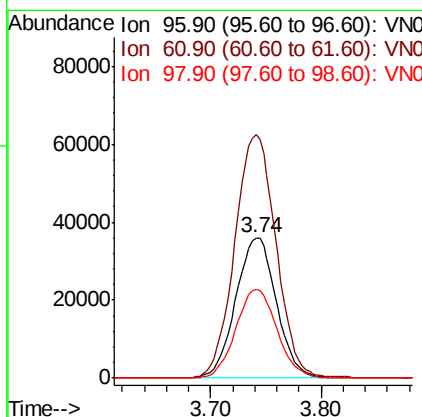
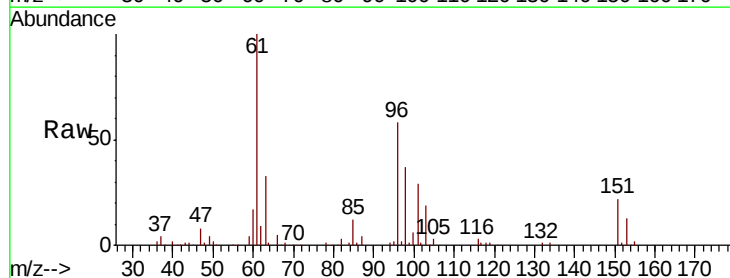
Tot Ion: 59 Resp: 32712
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.8 13.2

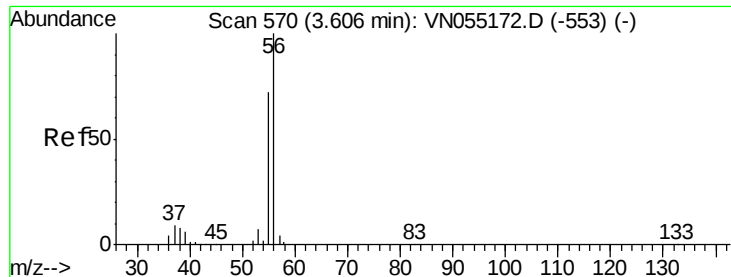


#12

1,1-Dichloroethene
 Concen: 19.752 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Tgt Ion: 96 Resp: 91995
 Ion Ratio Lower Upper
 96 100
 61 173.3 142.1 213.1
 98 63.4 51.2 76.8





#13

Acrolein

Concen: 109.838 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

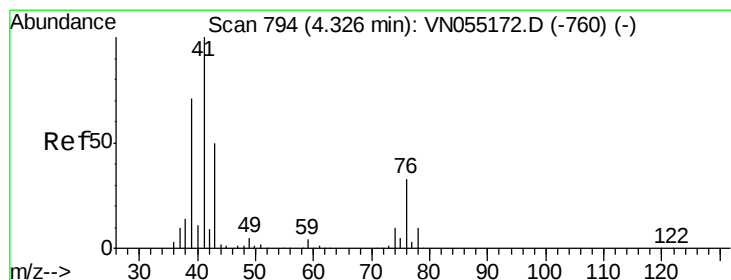
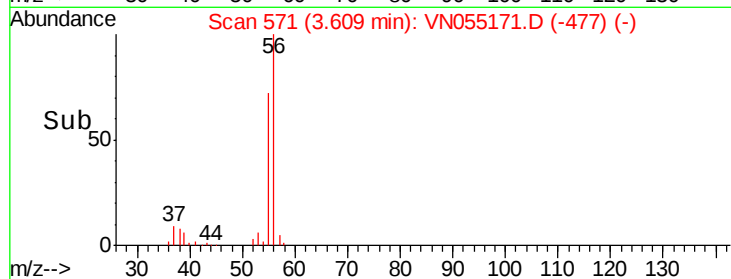
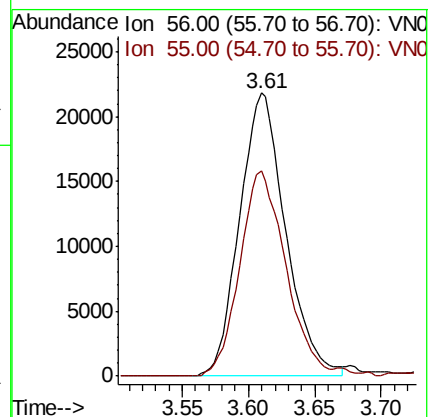
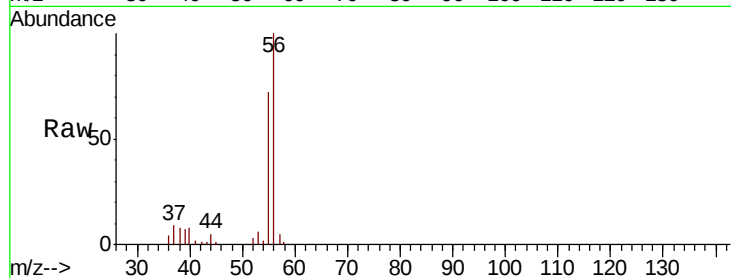
VSTDIC020

Tot Ion: 56 Resp: 52573

Ion Ratio Lower Upper

56 100

55 72.3 57.4 86.0



#14

Allyl chloride

Concen: 19.596 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

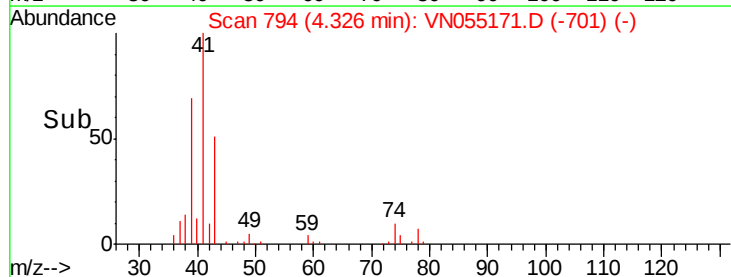
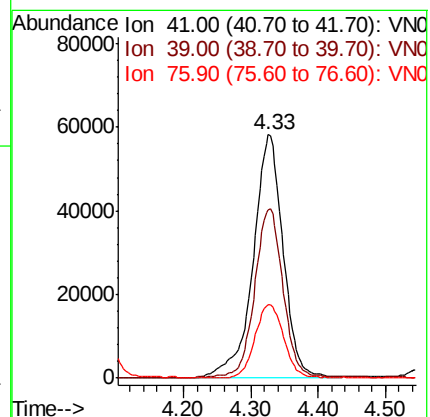
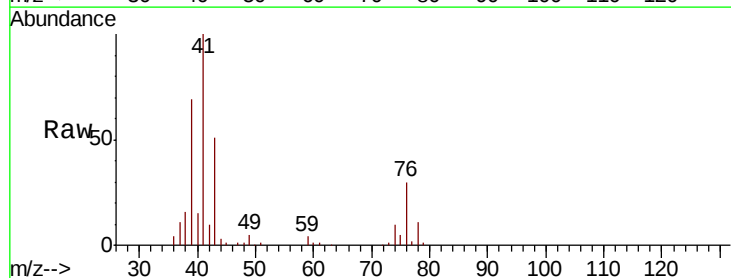
Tgt Ion: 41 Resp: 180429

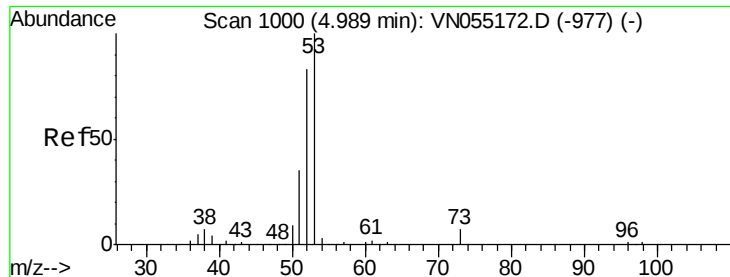
Ion Ratio Lower Upper

41 100

39 64.4 52.9 79.3

76 29.0 23.6 35.4





#15

Acrylonitrile

Concen: 99.335 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

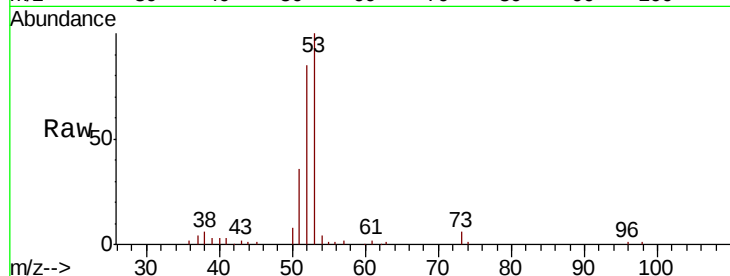
Tot Ion: 53 Resp: 194884

Ion Ratio Lower Upper

53 100

52 83.2 65.8 98.8

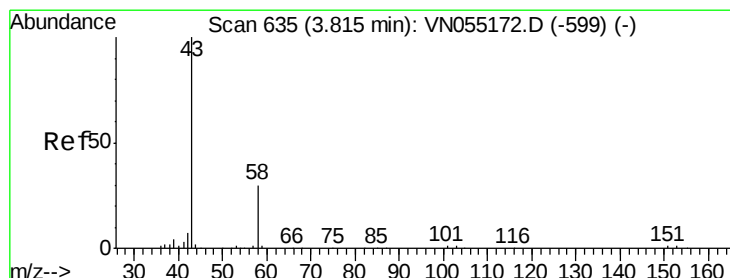
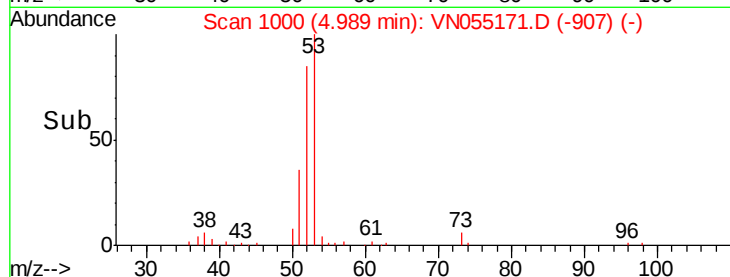
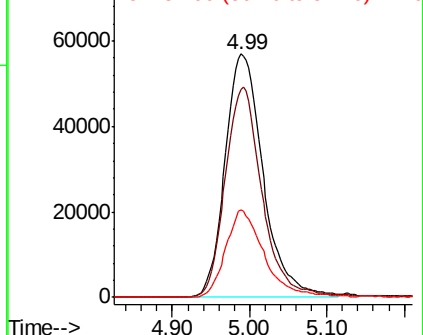
51 35.8 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 115.180 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055171.D

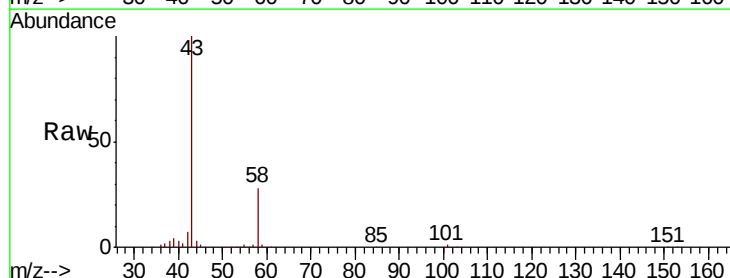
Acq: 22 Apr 2019 10:12

Tgt Ion: 43 Resp: 233312

Ion Ratio Lower Upper

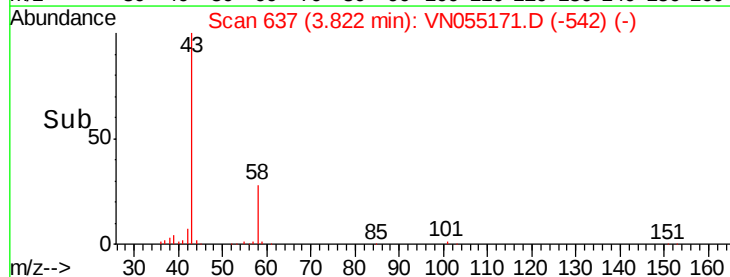
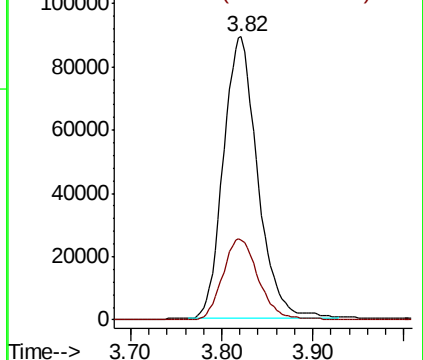
43 100

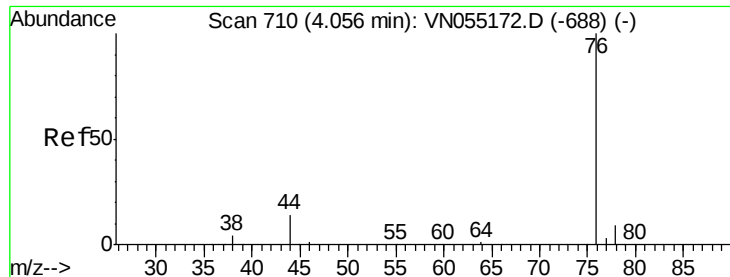
58 28.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

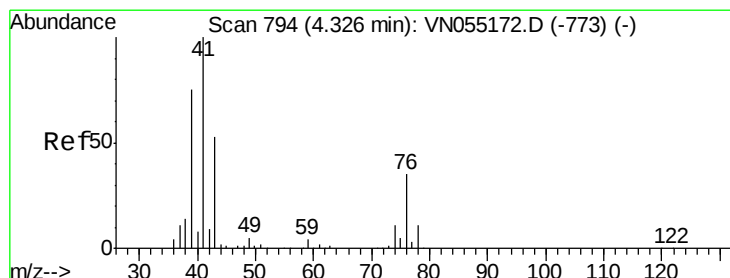
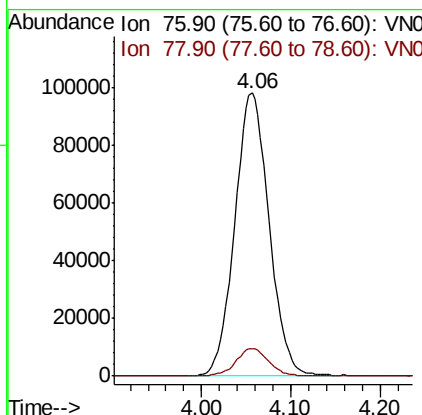
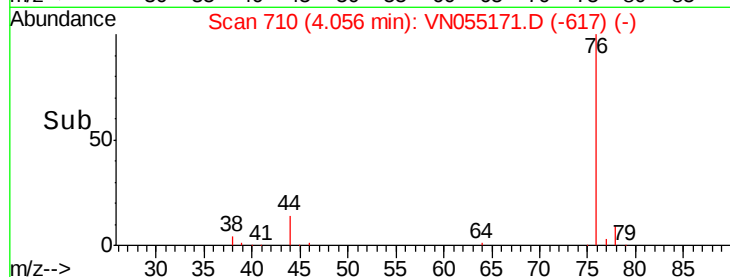
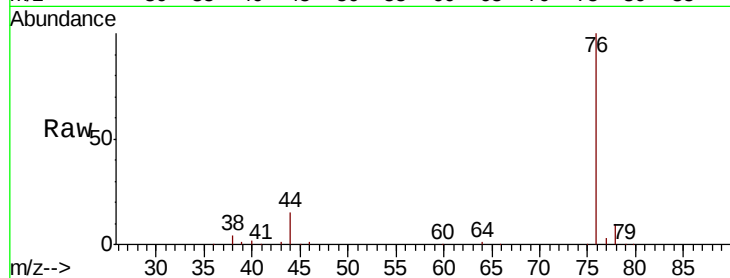




#17
Carbon Disulfide
Concen: 20.183 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

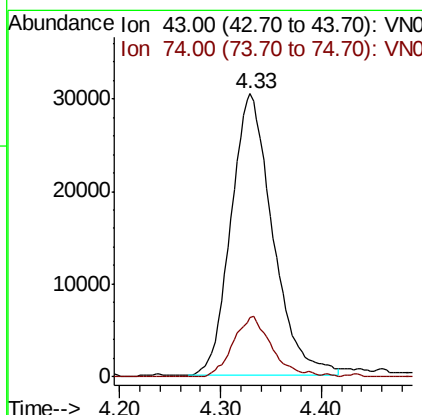
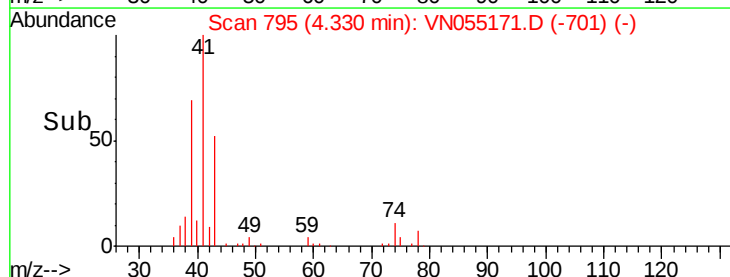
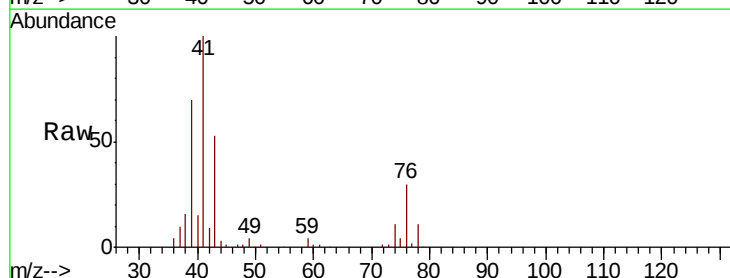
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

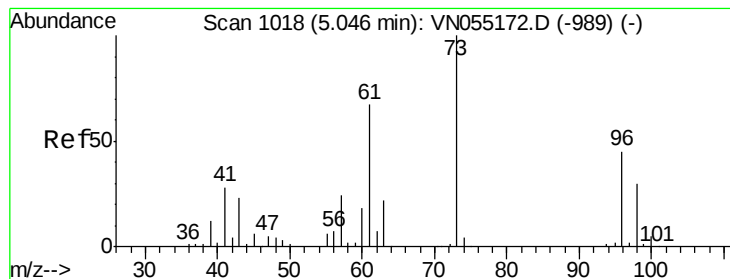
Tot Ion: 76 Resp: 262809
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 15.546 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 43 Resp: 86909
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 19.772 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

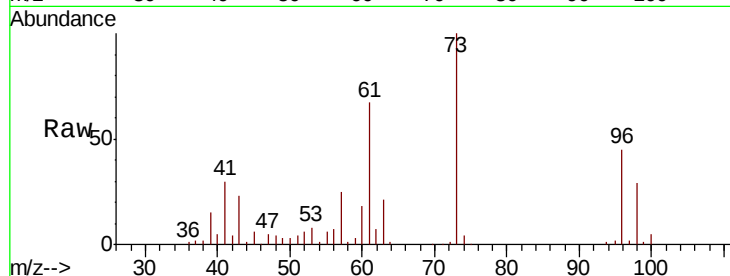
VSTDIC020

Tot Ion: 73 Resp: 254614

Ion Ratio Lower Upper

73 100

57 24.7 19.5 29.3



Abundance Ion 73.00 (72.70 to 73.70): VN055172.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055172.D (-989) (-)

5.05

60000

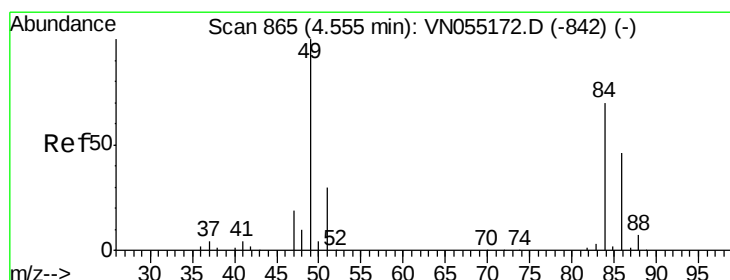
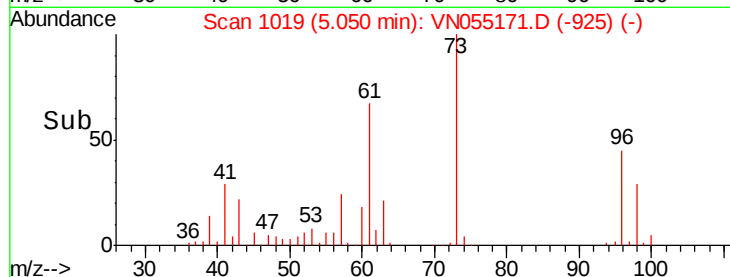
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.718 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Tgt Ion: 84 Resp: 109003

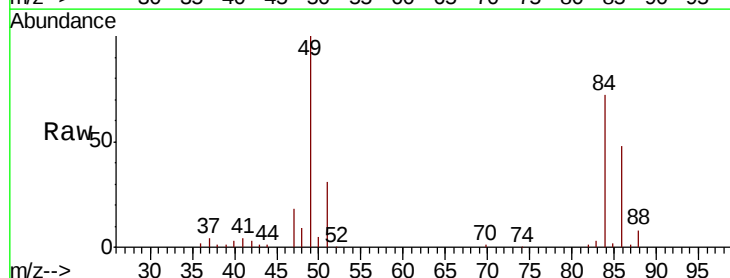
Ion Ratio Lower Upper

84 100

49 139.3 113.8 170.6

51 42.8 34.0 51.0

86 67.3 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VN055172.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN055172.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN055172.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN055172.D (-842) (-)

4.55

60000

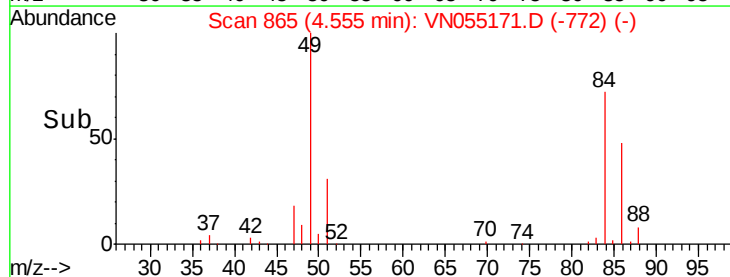
40000

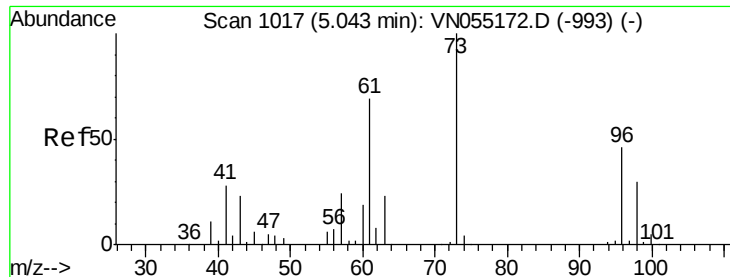
20000

0

Time-->

4.50 4.60 4.70

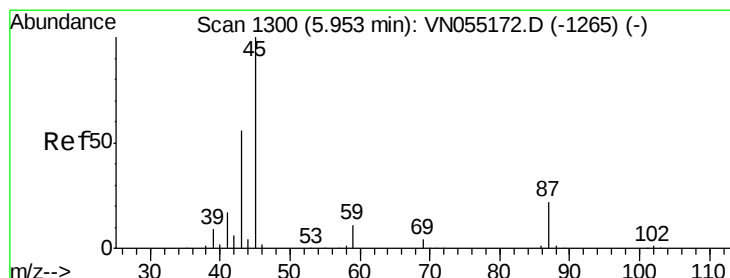
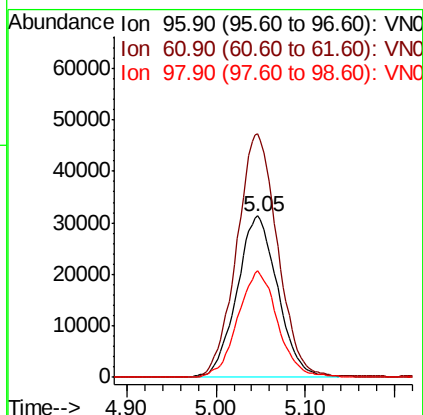
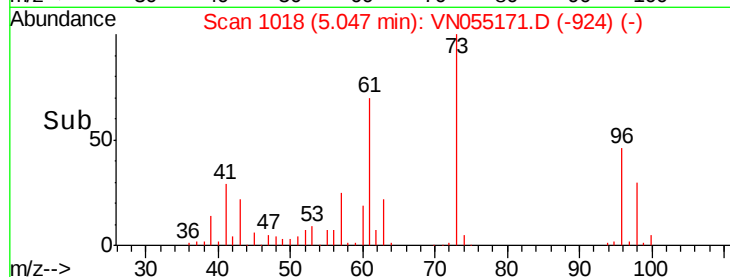
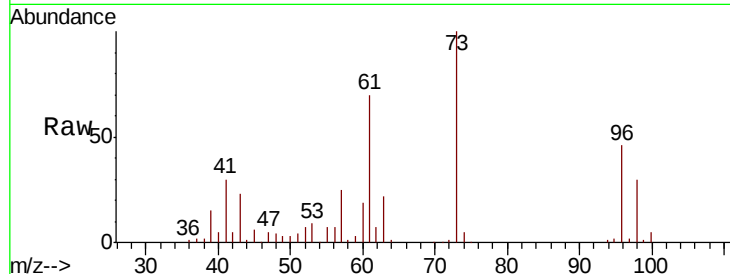




#21
trans-1,2-Dichloroethene
Concen: 20.384 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

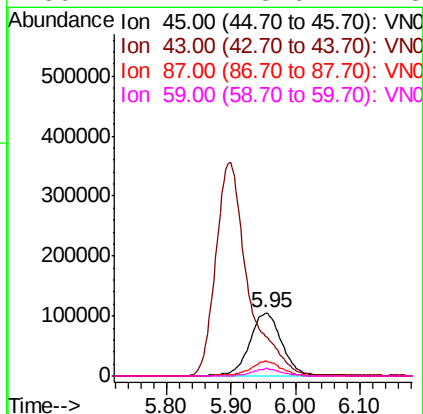
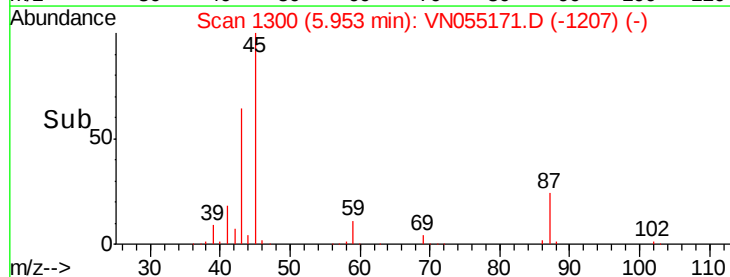
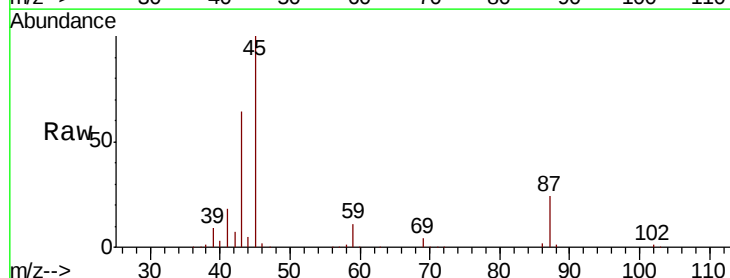
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

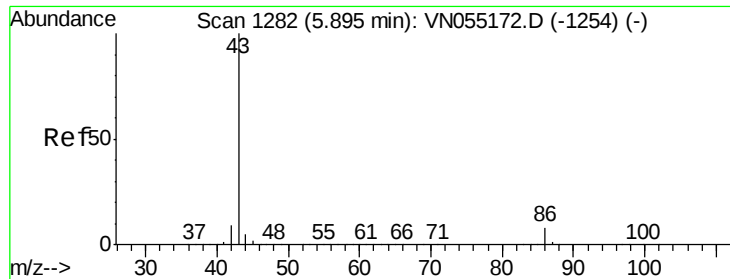
Tot Ion: 96 Resp: 99554
Ion Ratio Lower Upper
96 100
61 150.9 119.3 178.9
98 65.8 53.0 79.4



#22
Diisopropyl ether
Concen: 19.964 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 45 Resp: 366406
Ion Ratio Lower Upper
45 100
43 62.7 47.4 71.0
87 23.3 18.4 27.6
59 11.2 8.6 12.8

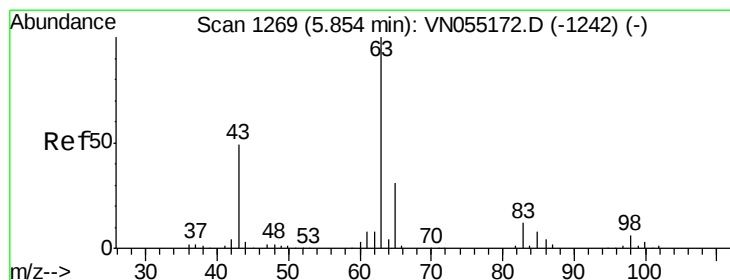
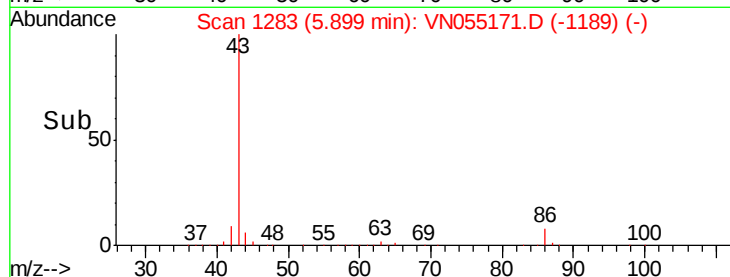
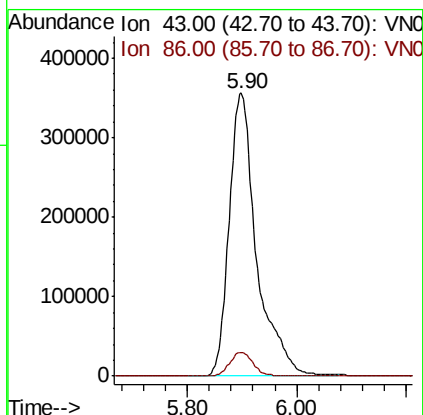
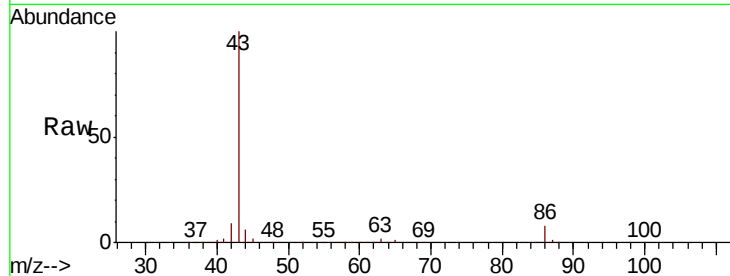




#23
 Vinyl Acetate
 Concen: 101.023 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

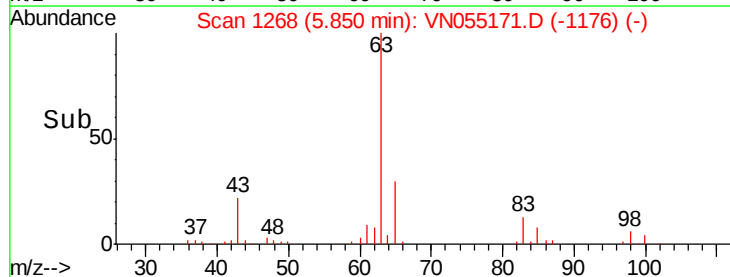
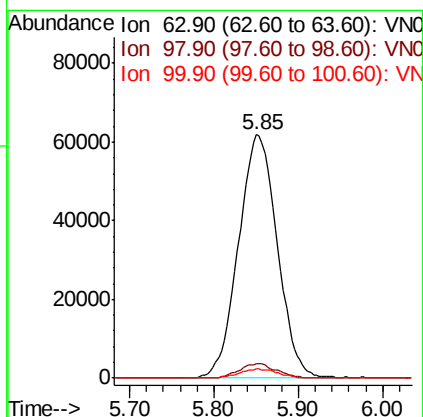
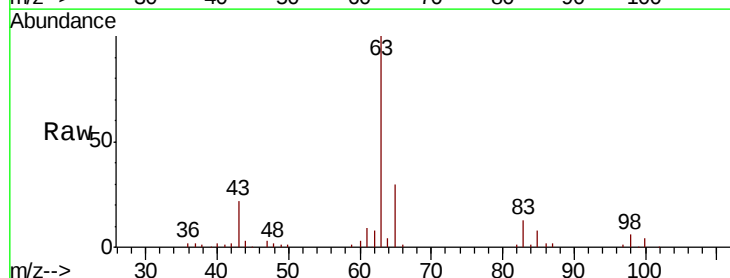
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

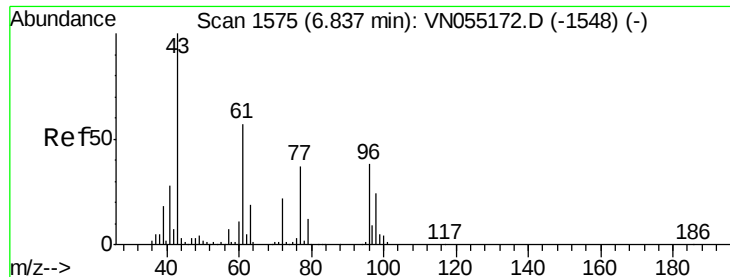
Tot Ion: 43 Resp: 1245958
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 19.995 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Tgt Ion: 63 Resp: 197394
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.1 9.3
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 103.557 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

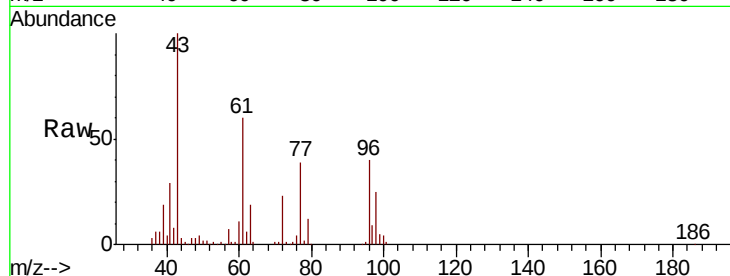
VSTDIC020

Tot Ion: 43 Resp: 270818

Ion Ratio Lower Upper

43 100

72 23.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

60000

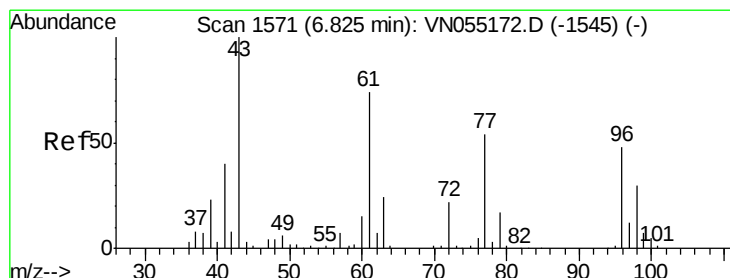
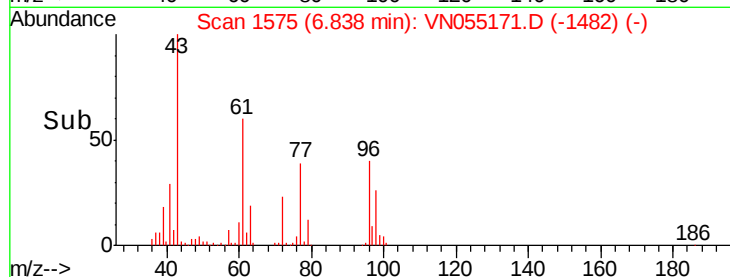
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 19.654 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055171.D

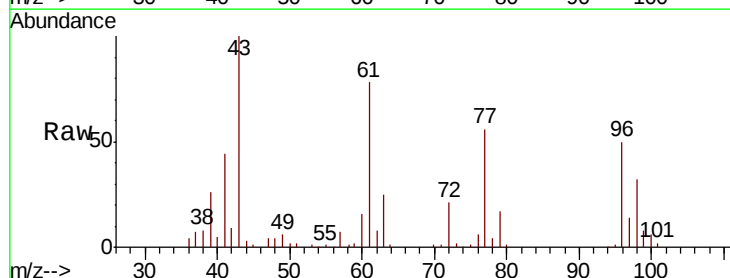
Acq: 22 Apr 2019 10:12

Tgt Ion: 77 Resp: 131298

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

40000

30000

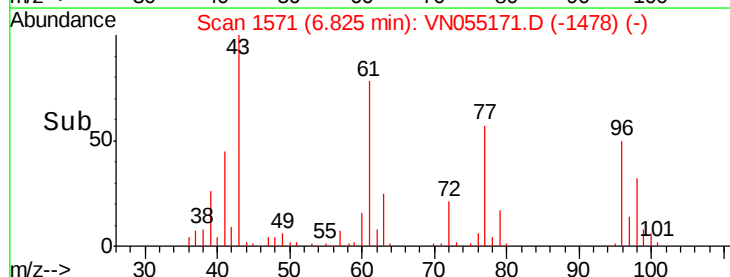
20000

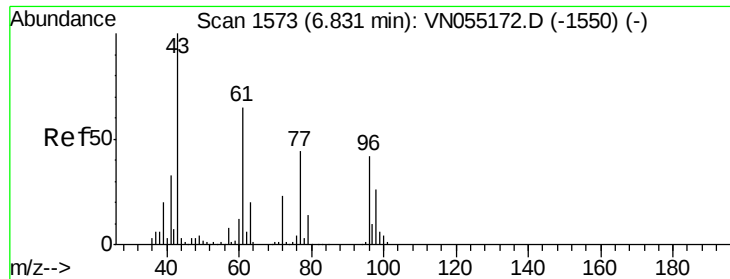
10000

0

6.70 6.80 6.90

Time-->

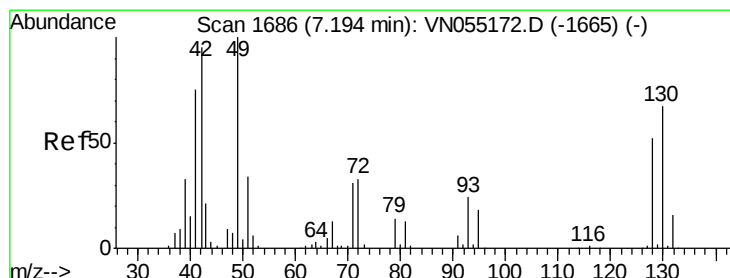
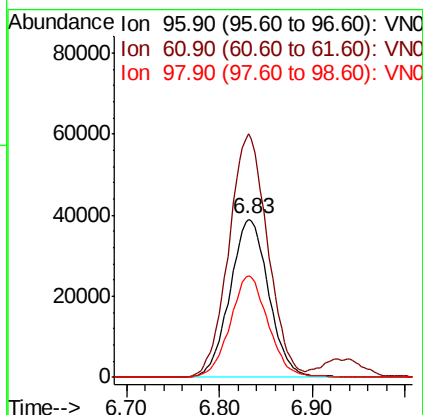
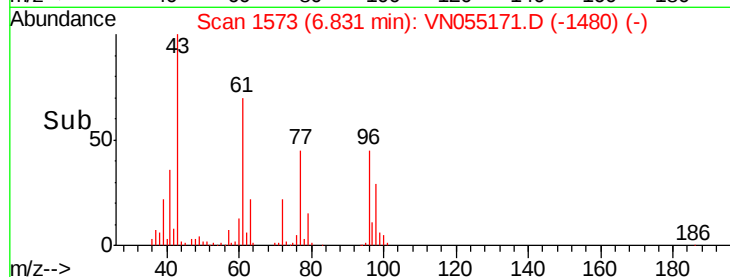
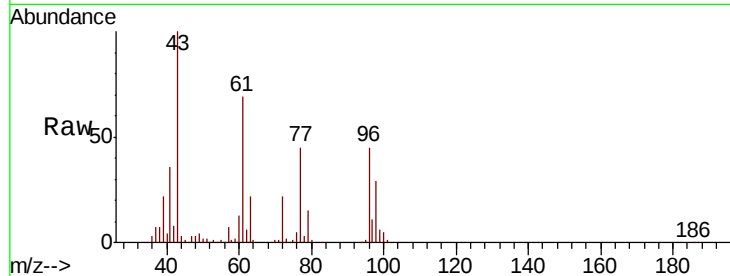




#27
 cis-1,2-Dichloroethene
 Concen: 20.063 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

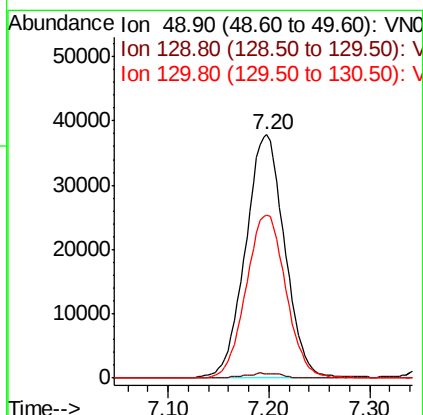
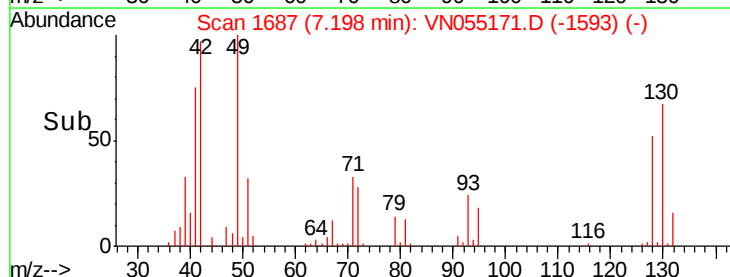
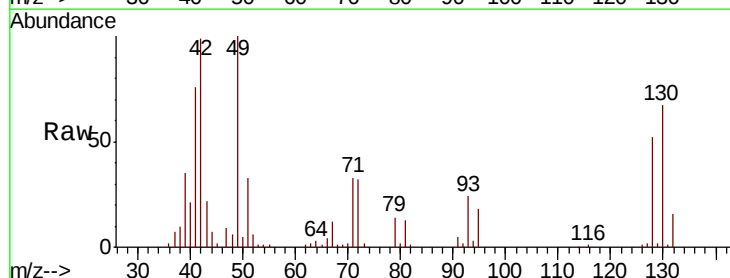
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

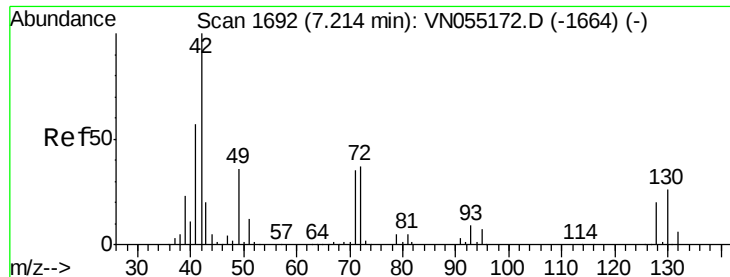
Tot Ion: 96 Resp: 112956
 Ion Ratio Lower Upper
 96 100
 61 154.6 0.0 310.8
 98 63.1 0.0 127.4



#28
 Bromochloromethane
 Concen: 20.265 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Tgt Ion: 49 Resp: 101978
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 3.8
 130 67.9 53.4 80.2





#29

Tetrahydrofuran

Concen: 96.832 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

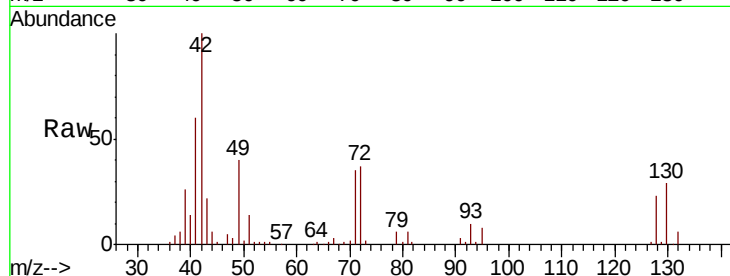
Tot Ion: 42 Resp: 159163

Ion Ratio Lower Upper

42 100

72 36.1 29.4 44.2

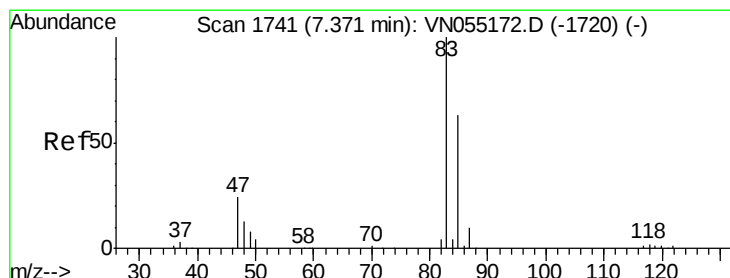
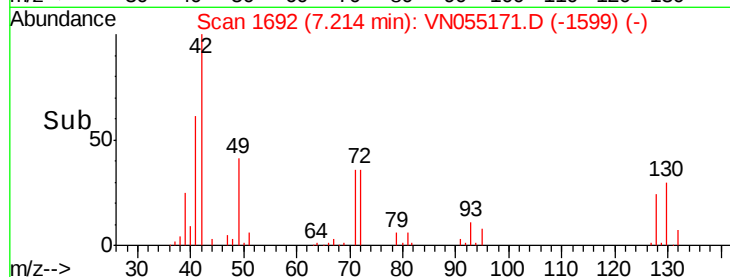
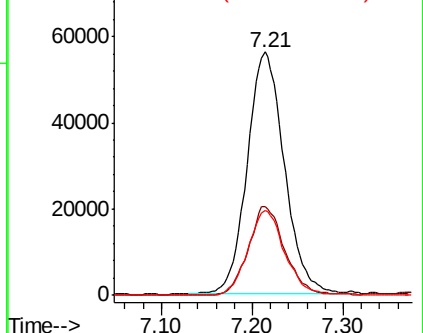
71 34.5 27.8 41.8



Abundance Ion 42.00 (41.70 to 42.70): VN055171.D (-1599) (-)

Ion 72.00 (71.70 to 72.70): VN055171.D (-1599) (-)

Ion 71.00 (70.70 to 71.70): VN055171.D (-1599) (-)



#30

Chloroform

Concen: 19.713 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055171.D

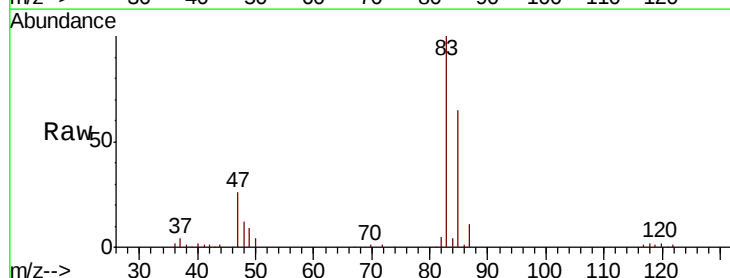
Acq: 22 Apr 2019 10:12

Tgt Ion: 83 Resp: 185114

Ion Ratio Lower Upper

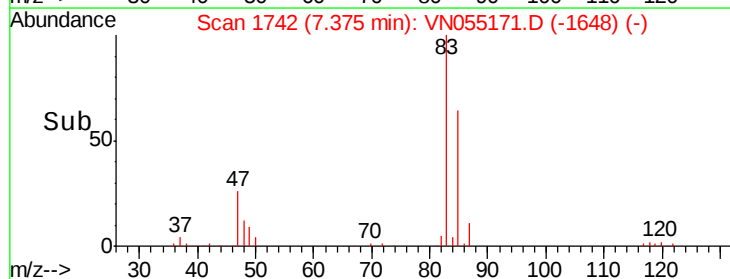
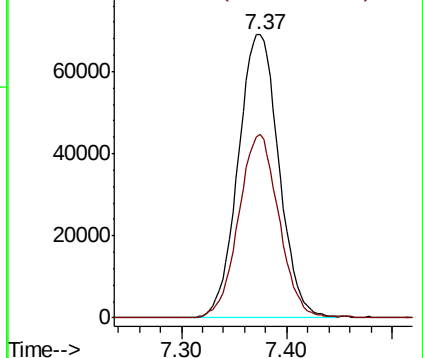
83 100

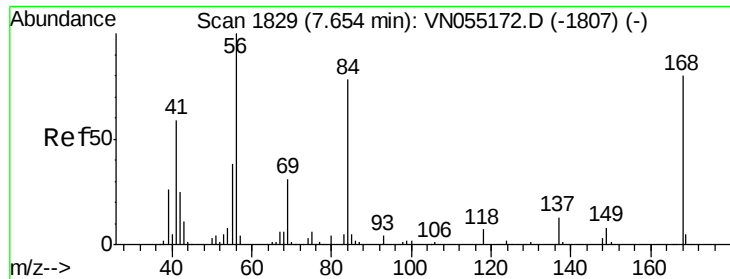
85 64.8 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN055171.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN055171.D (-1648) (-)

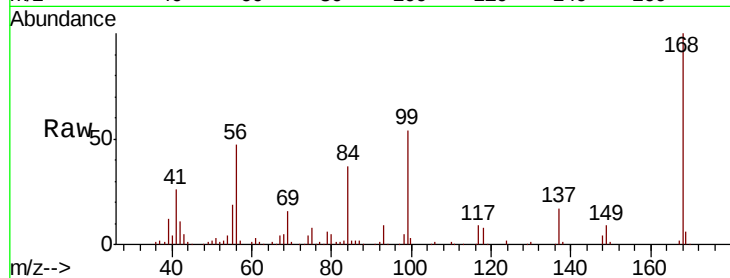




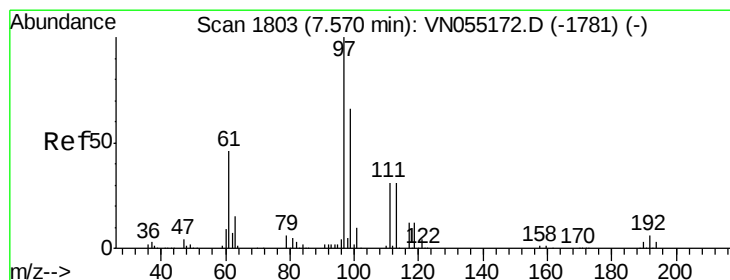
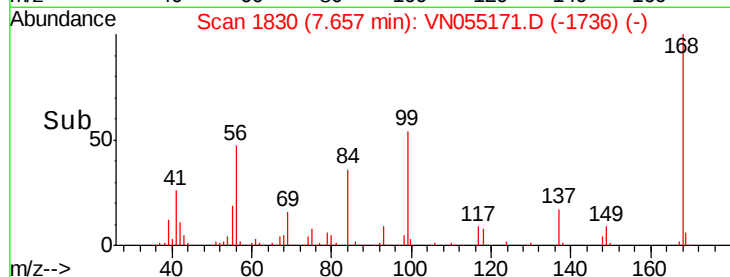
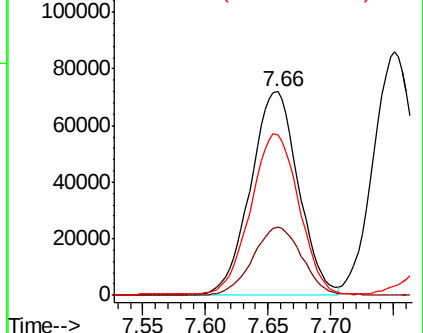
#31
Cvclohexane
Concen: 16.886 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 191407
Ion Ratio Lower Upper
56 100
69 33.6 24.6 37.0
84 78.1 61.4 92.2

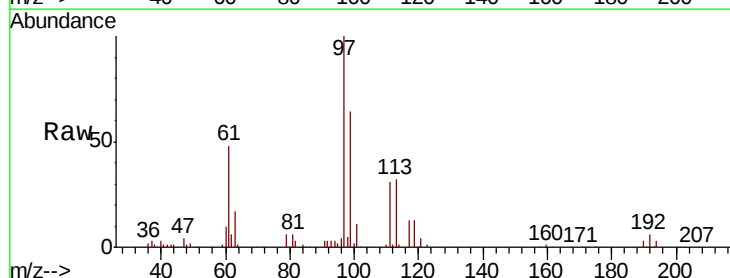


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

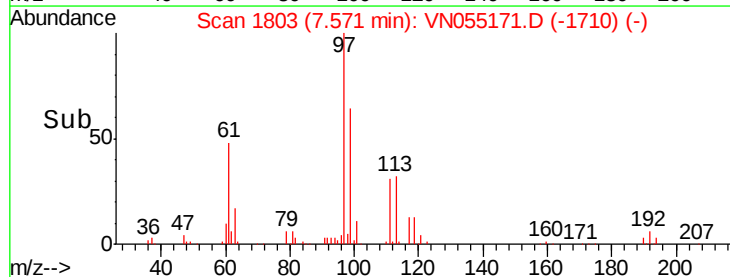
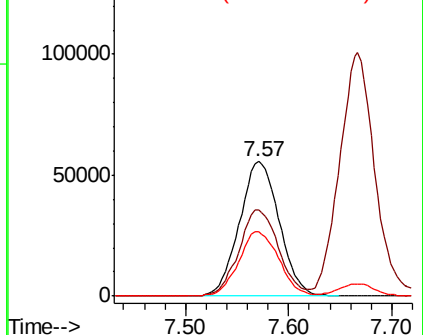


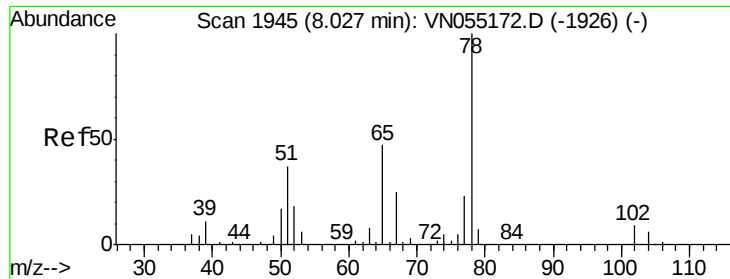
#32
1,1,1-Trichloroethane
Concen: 19.834 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 97 Resp: 149630
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 48.2 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

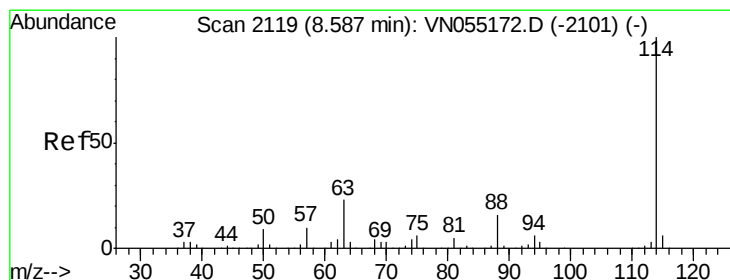
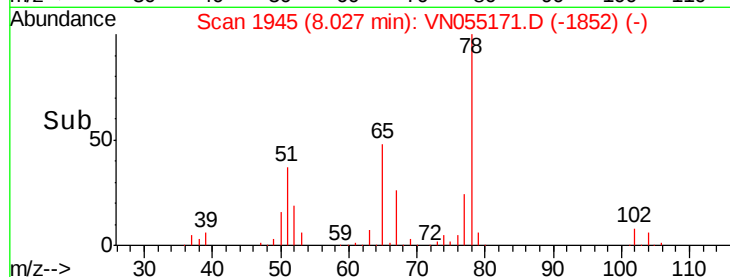
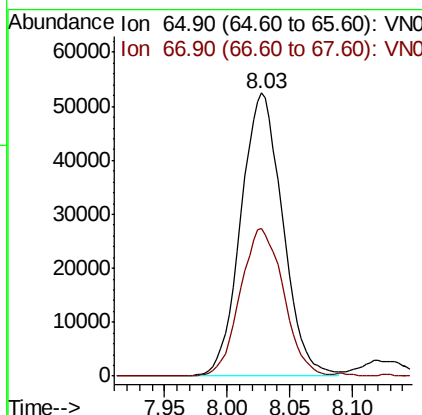
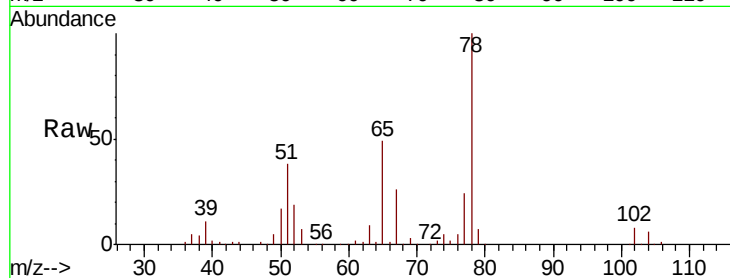




#33
 1,2-Dichloroethane-d4
 Concen: 18.339 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

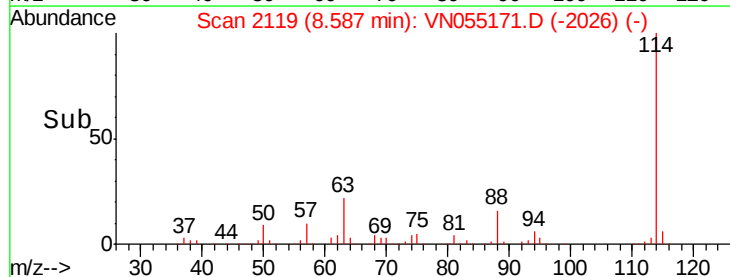
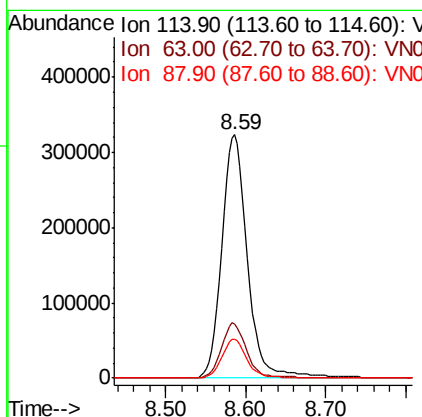
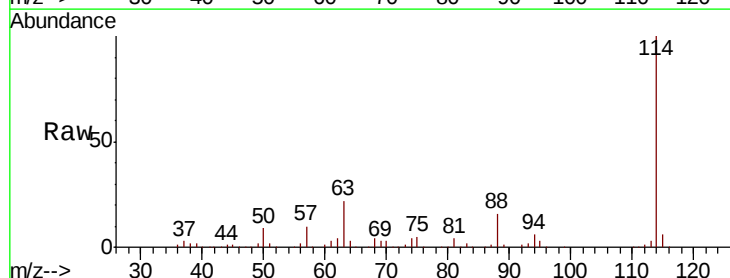
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

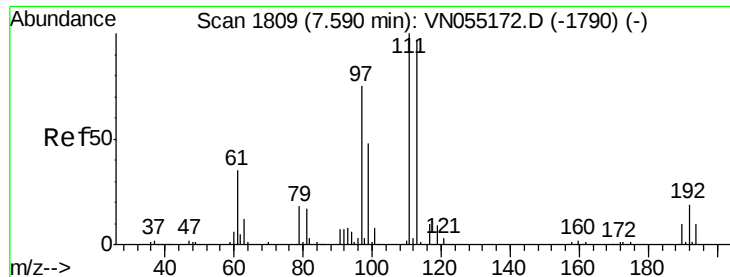
Tot Ion: 65 Resp: 121857
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Tgt Ion: 114 Resp: 715216
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 16.1 0.0 32.8

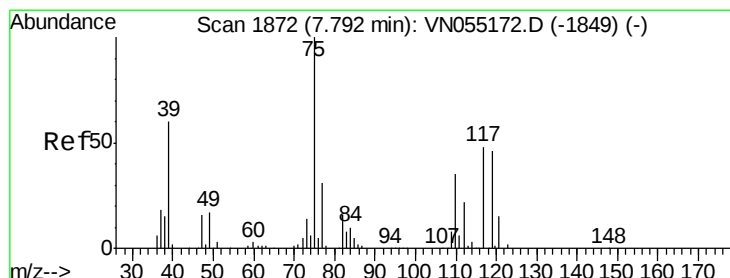
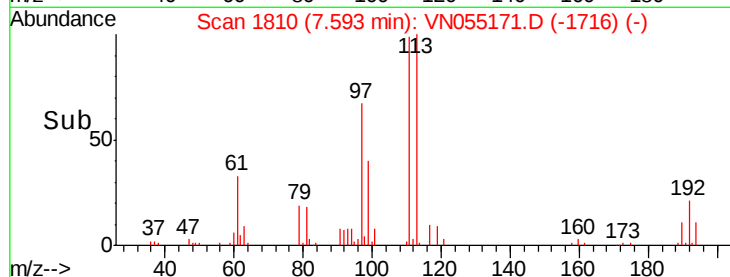
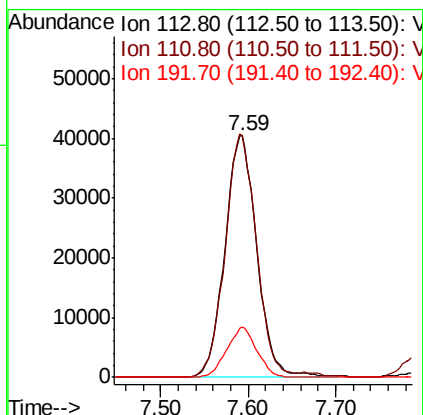
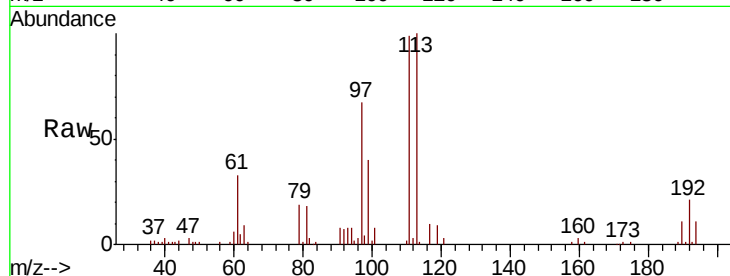




#35
 Dibromofluoromethane
 Concen: 20.017 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

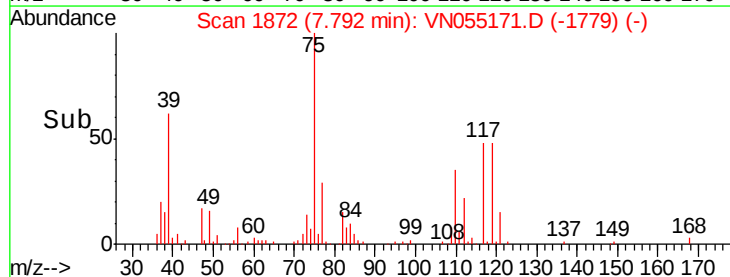
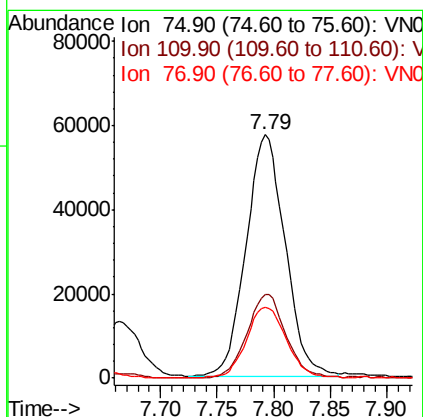
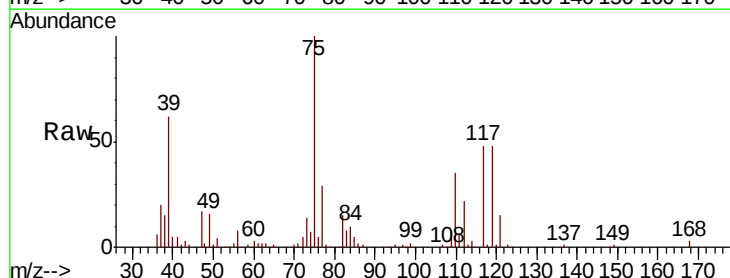
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

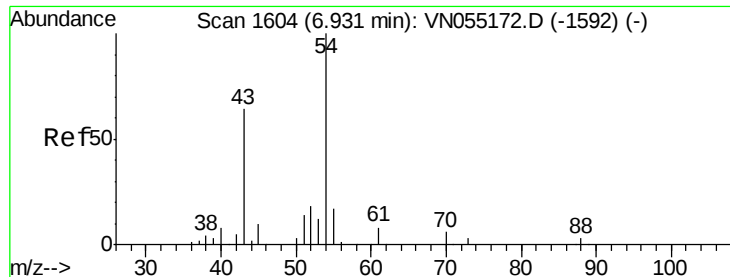
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	81.0	121.4
192	19.5	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 20.769 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.1	51.2
77	30.4	24.6	36.8





#37

Ethyl Acetate

Concen: 18.190 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

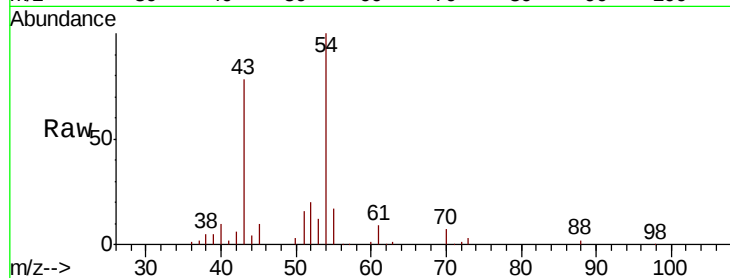
Tot Ion: 43 Resp: 100887

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

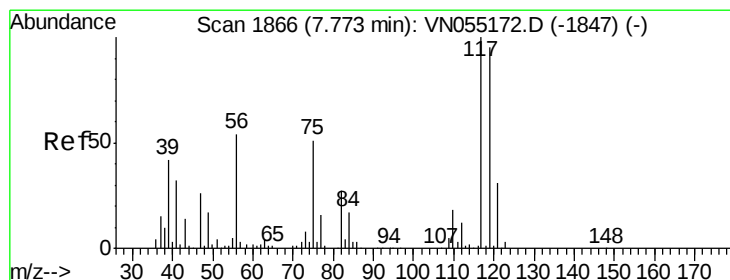
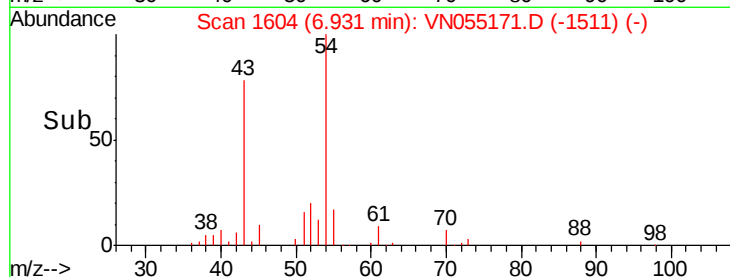
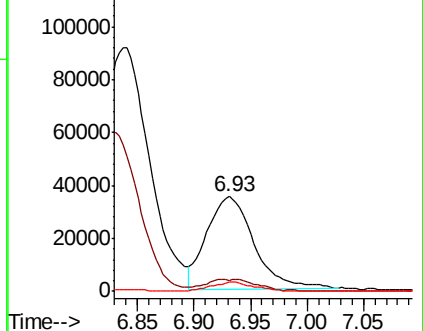
70 9.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN055171.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN055171.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN055171.D (-1592) (-)



#38

Carbon Tetrachloride

Concen: 19.234 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

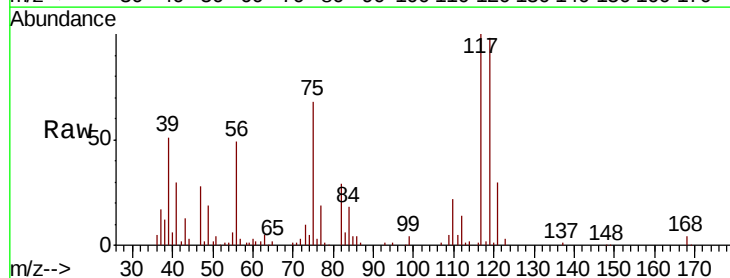
Tgt Ion: 117 Resp: 127572

Ion Ratio Lower Upper

117 100

119 97.9 76.0 114.0

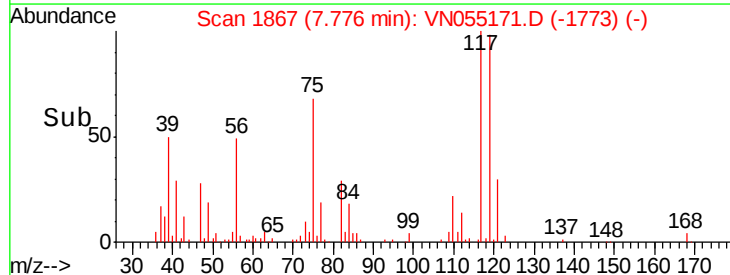
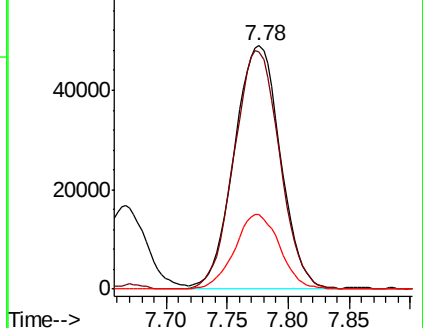
121 30.6 24.6 36.8

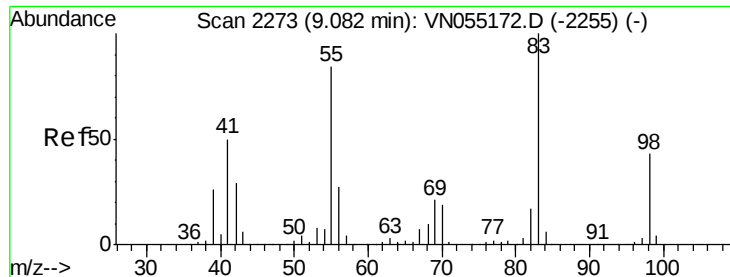


Abundance Ion 116.80 (116.50 to 117.50): VN055171.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055171.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055171.D (-1847) (-)

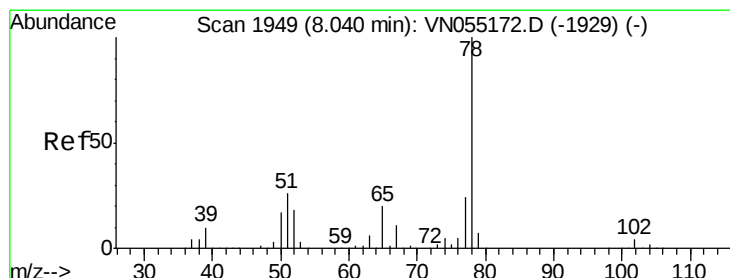
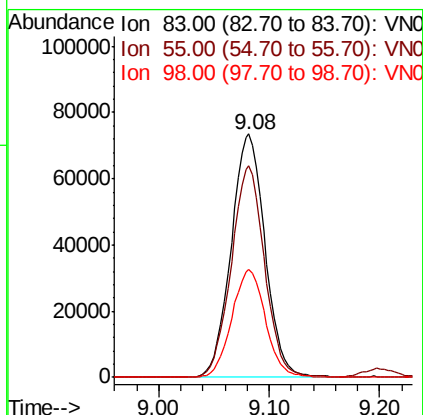
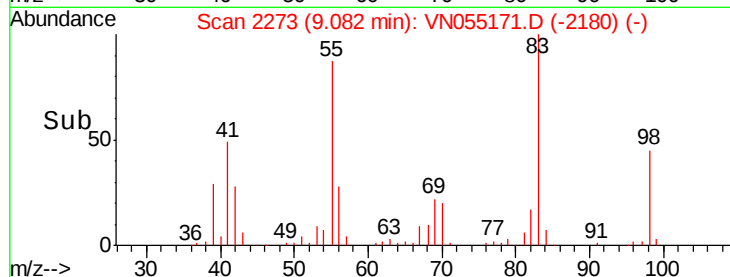
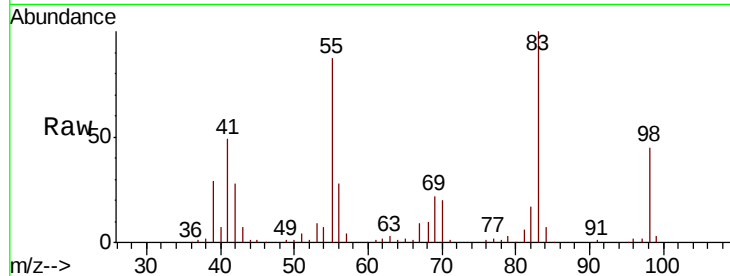




#39
Methvlcvclohexane
Concen: 19.786 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

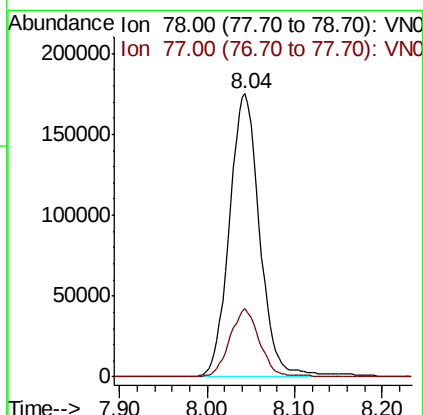
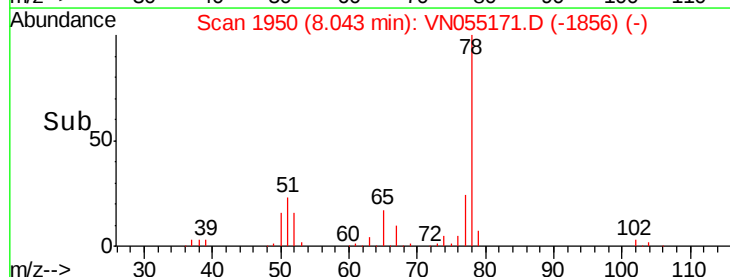
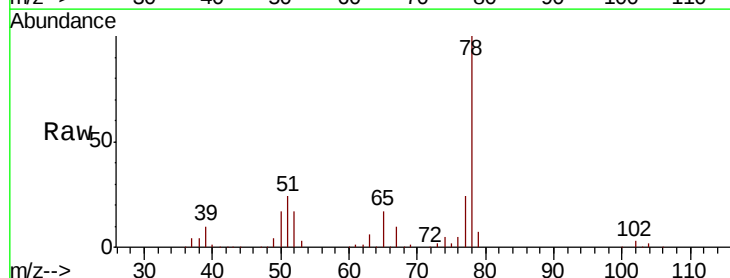
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

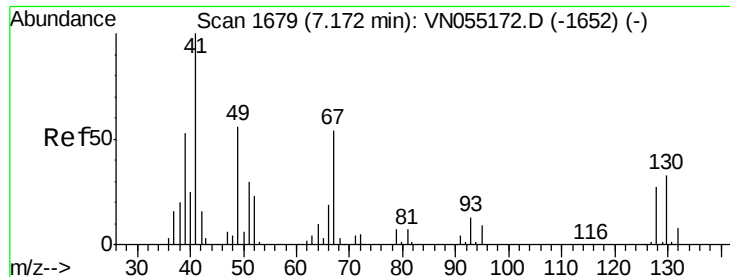
Tot Ion: 83 Resp: 156696
Ion Ratio Lower Upper
83 100
55 86.8 67.4 101.0
98 44.5 34.7 52.1



#40
Benzene
Concen: 20.585 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 78 Resp: 421823
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3

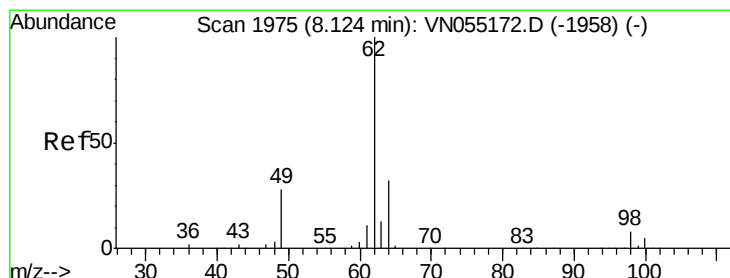
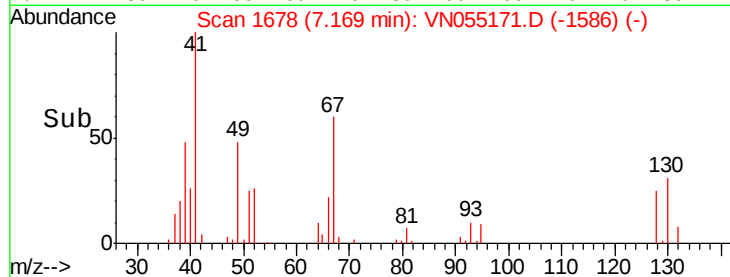
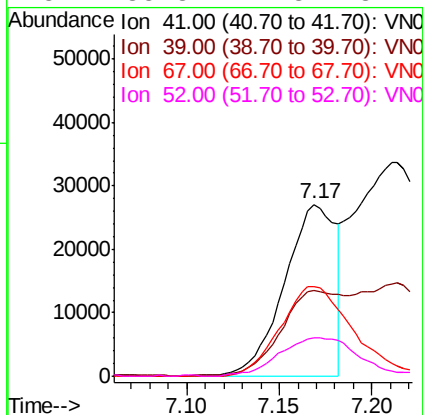
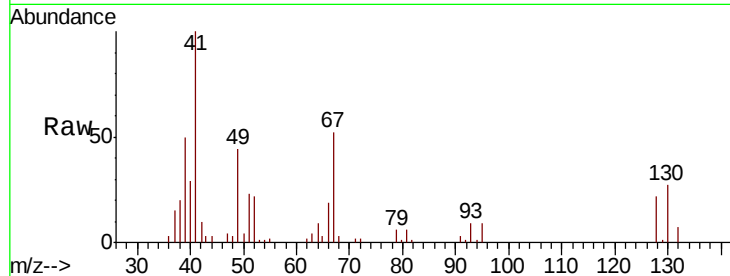




#41
Methacrylonitrile
Concen: 19.106 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

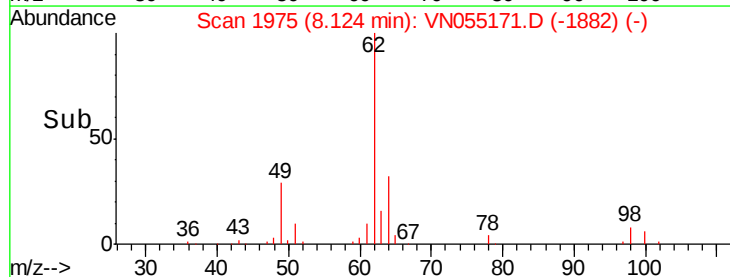
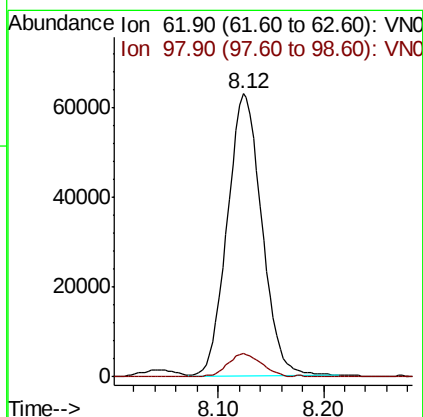
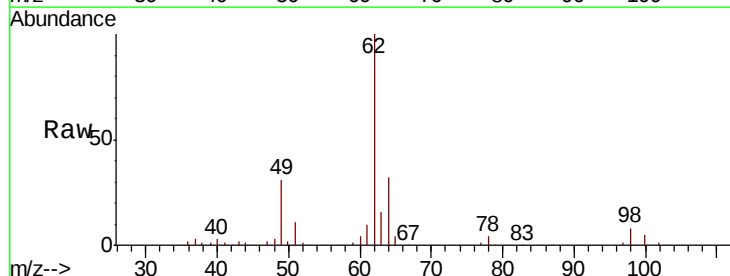
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

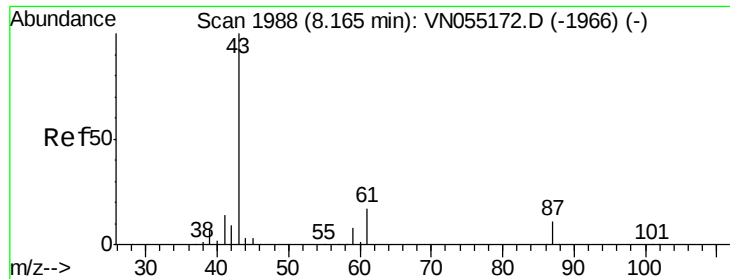
Tot Ion: 41 Resp: 52242
Ion Ratio Lower Upper
41 100
39 61.5 45.4 68.0
67 75.2 54.6 81.8
52 35.3 22.8 34.2#



#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 62 Resp: 142385
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.048 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

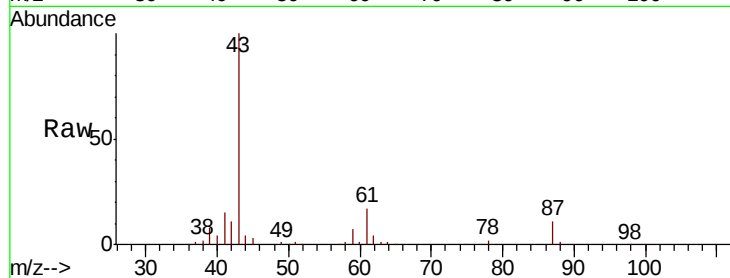
MSVOA_N

ClientSampleId :

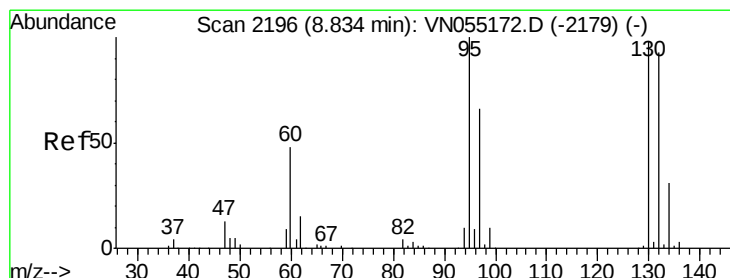
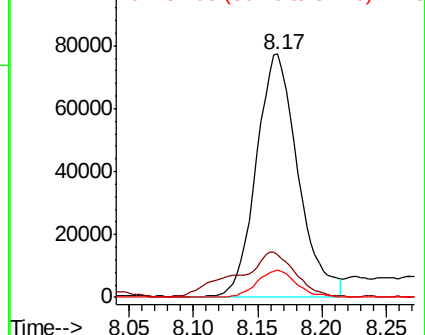
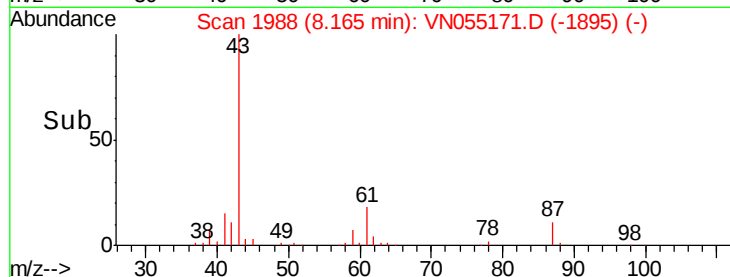
VSTDIC020

Tot Ion: 43 Resp: 173923

Ion	Ratio	Lower	Upper
43	100		
61	16.3	20.6	30.8#
87	10.7	8.8	13.2



Abundance Ion 43.00 (42.70 to 43.70): VN055171.D (-1895) (-)



#44

Trichloroethene

Concen: 20.053 ug/l

RT: 8.84 min Scan# 2197

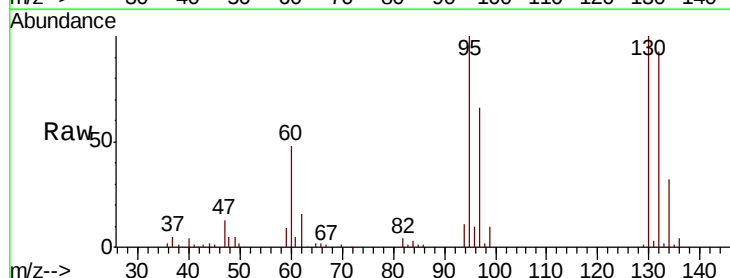
Delta R.T. 0.00 min

Lab File: VN055171.D

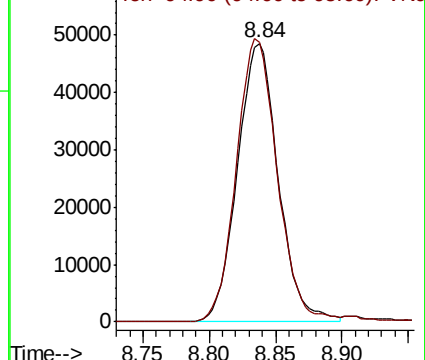
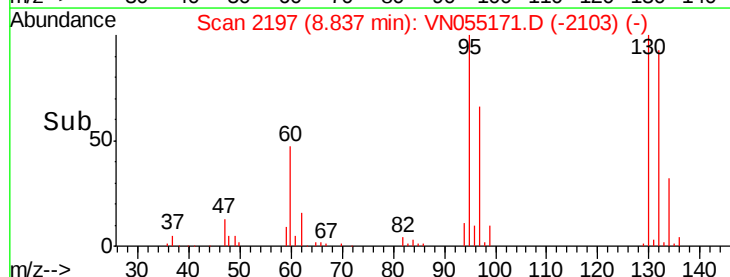
Acq: 22 Apr 2019 10:12

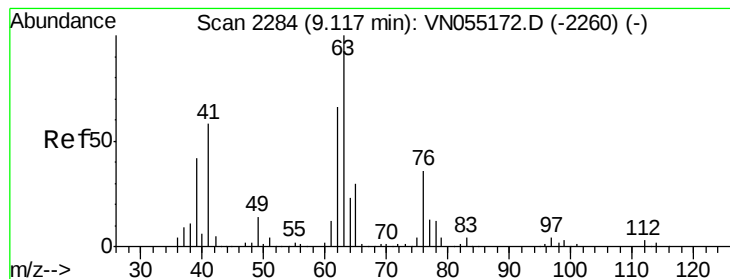
Tgt Ion: 130 Resp: 103864

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055171.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.014 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

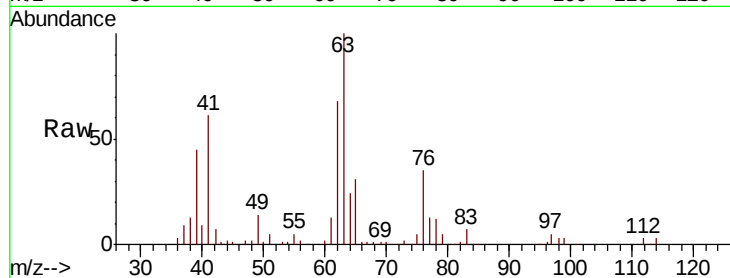
VSTDIC020

Tot Ion: 63 Resp: 115768

Ion Ratio Lower Upper

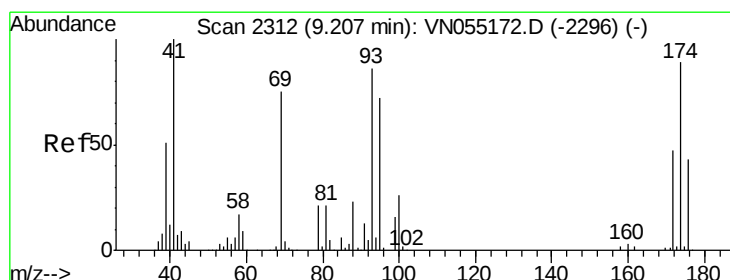
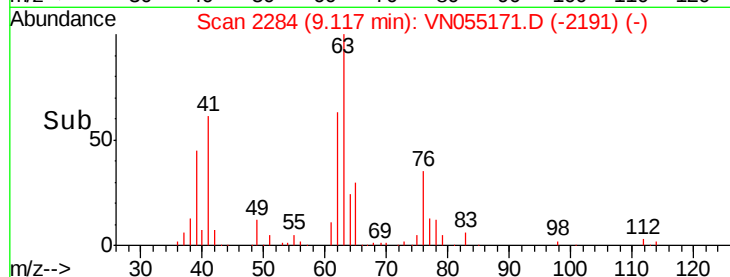
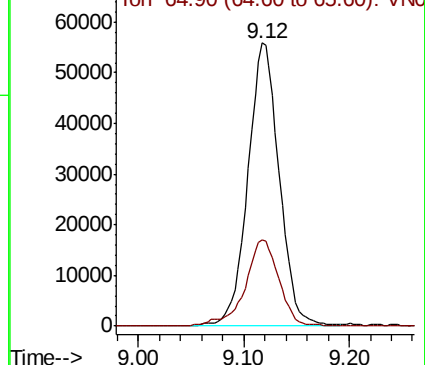
63 100

65 30.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.013 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

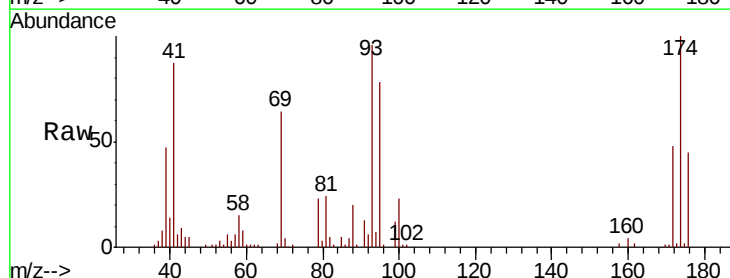
Tgt Ion: 93 Resp: 66269

Ion Ratio Lower Upper

93 100

95 83.3 67.6 101.4

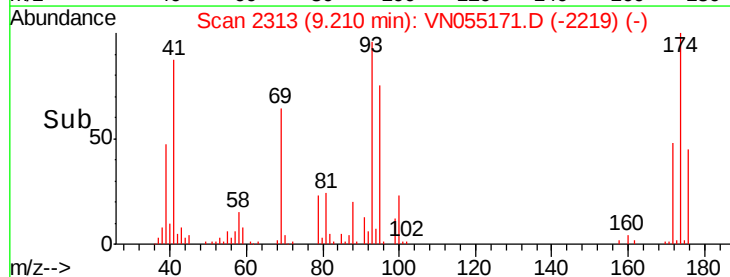
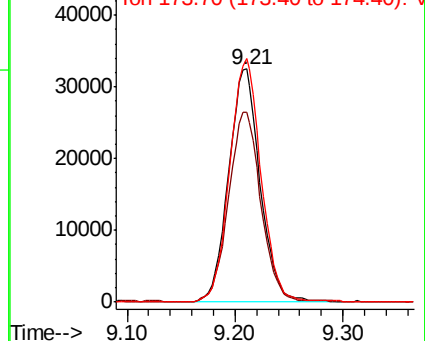
174 103.5 83.4 125.2

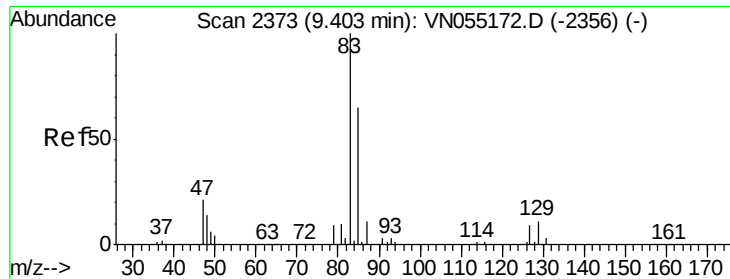


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.510 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

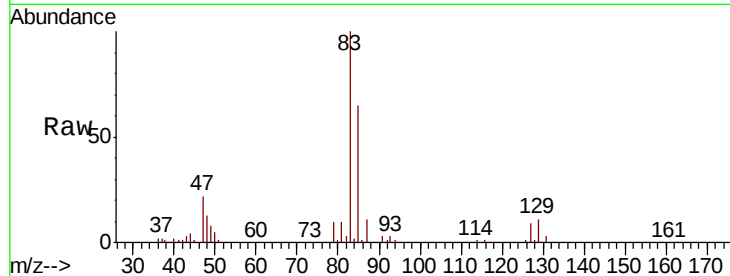
Tot Ion: 83 Resp: 135955

Ion Ratio Lower Upper

83 100

85 64.6 52.1 78.1

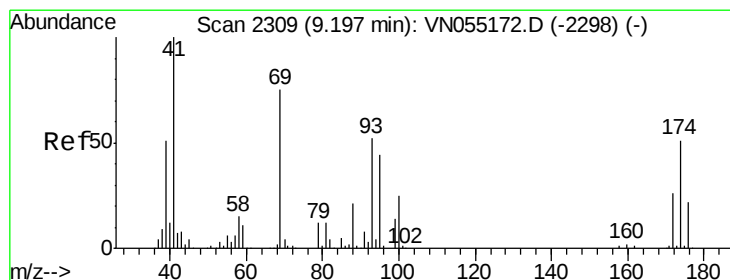
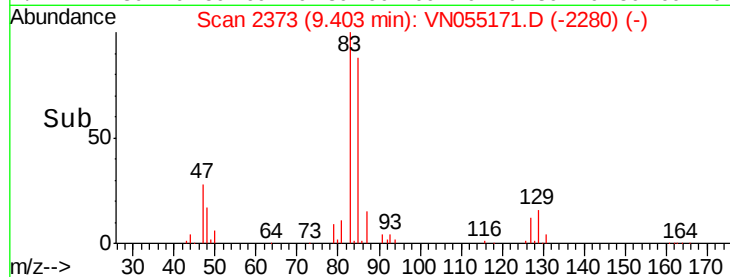
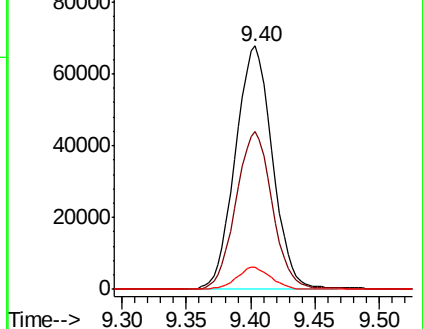
127 9.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN055171.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055171.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055171.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.504 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

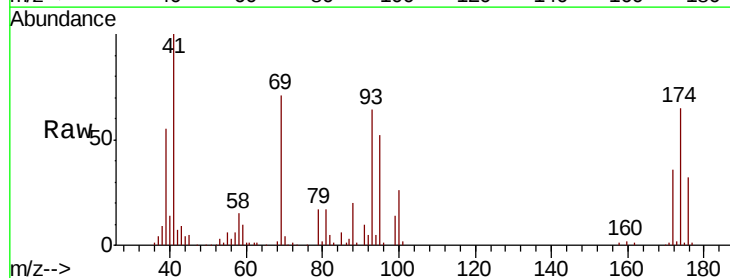
Tgt Ion: 41 Resp: 77868

Ion Ratio Lower Upper

41 100

69 76.5 63.6 95.4

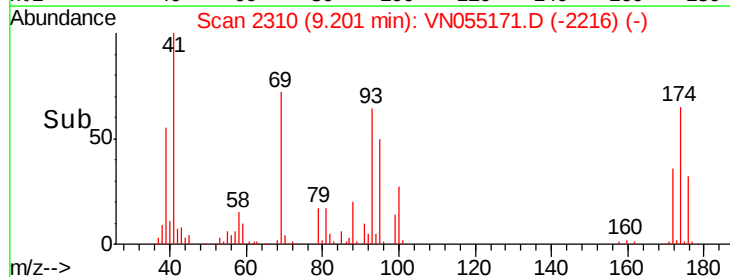
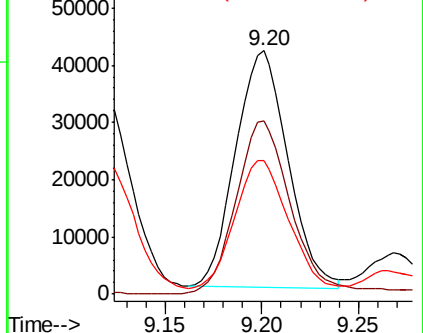
39 59.3 43.8 65.8

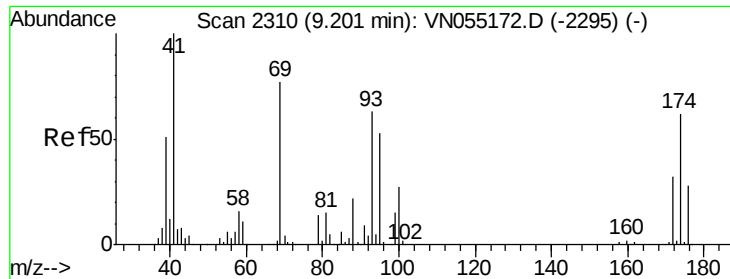


Abundance Ion 41.00 (40.70 to 41.70): VN055171.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055171.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055171.D (-2216) (-)





#49

1,4-Dioxane

Concen: 379.898 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

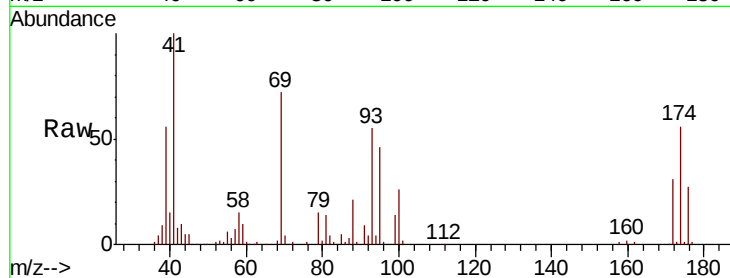
Tot Ion: 88 Resp: 18462

Ion Ratio Lower Upper

88 100

43 40.4 32.0 48.0

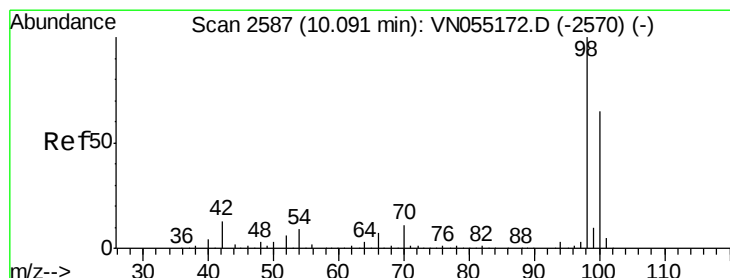
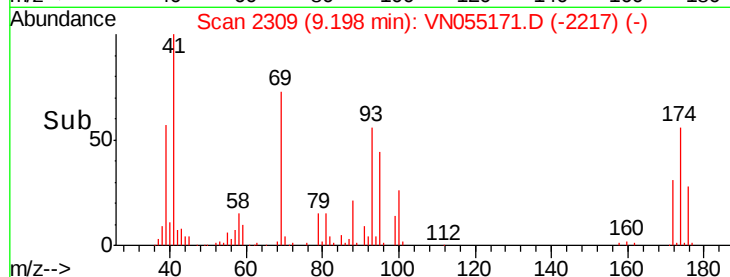
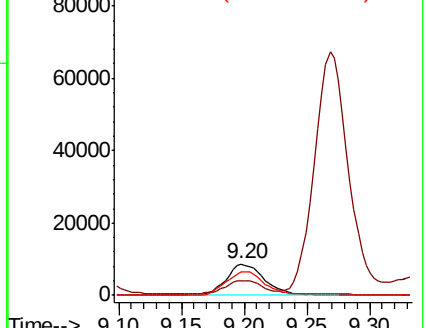
58 76.1 60.4 90.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 19.667 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055171.D

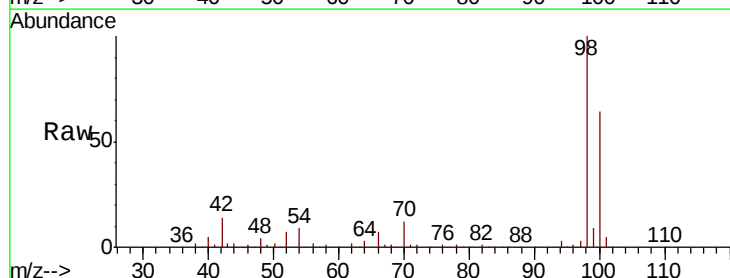
Acq: 22 Apr 2019 10:12

Tgt Ion: 98 Resp: 365404

Ion Ratio Lower Upper

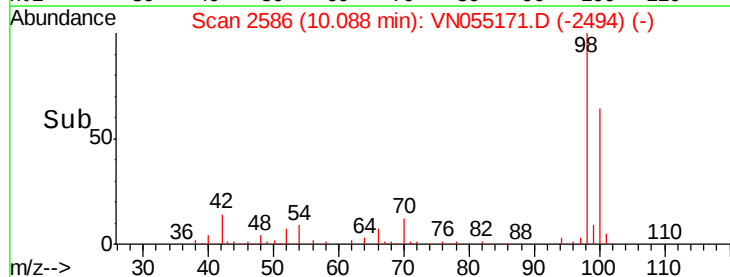
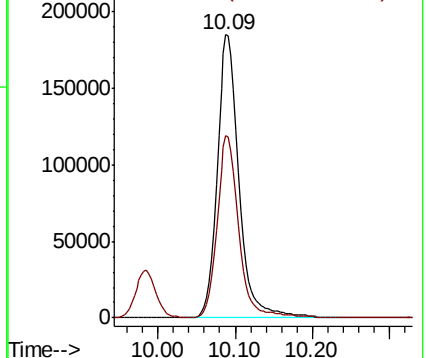
98 100

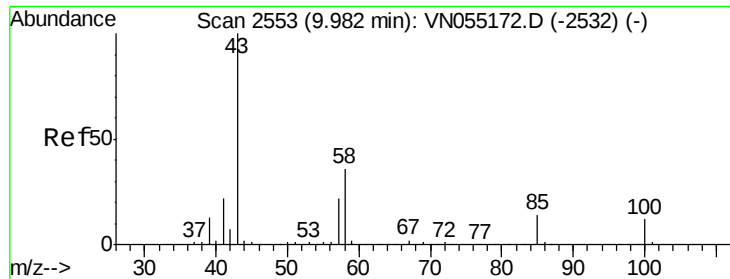
100 64.4 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.692 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

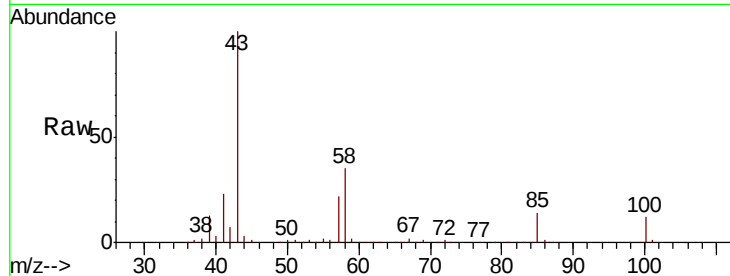
VSTDIC020

Tot Ion: 43 Resp: 482691

Ion Ratio Lower Upper

43 100

58 35.3 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055171.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055171.D (-2532) (-)

9.98

250000

200000

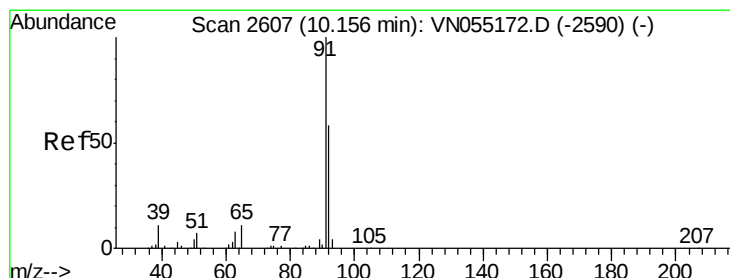
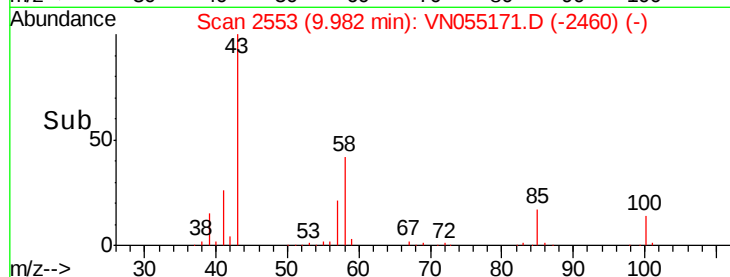
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.298 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055171.D

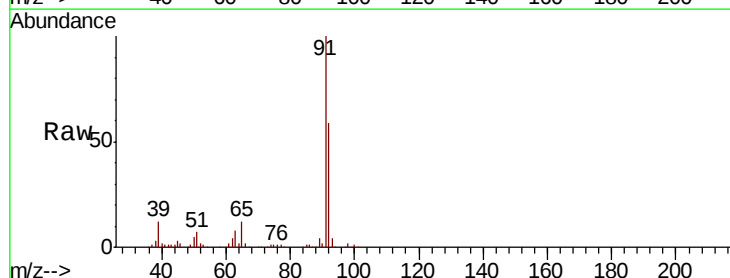
Acq: 22 Apr 2019 10:12

Tgt Ion: 92 Resp: 243838

Ion Ratio Lower Upper

92 100

91 173.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN055171.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055171.D (-2590) (-)

250000

200000

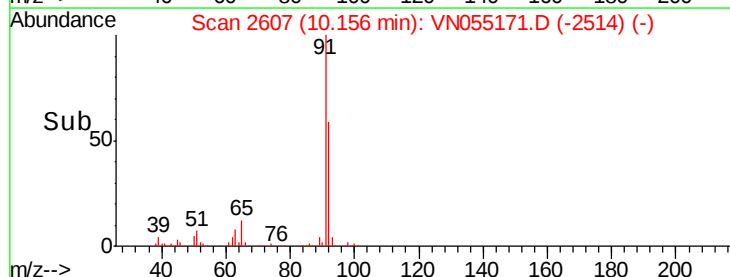
150000

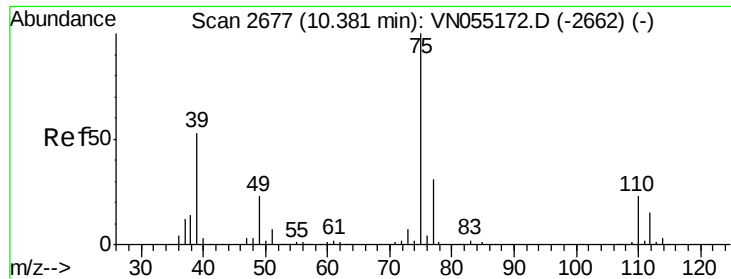
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.636 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

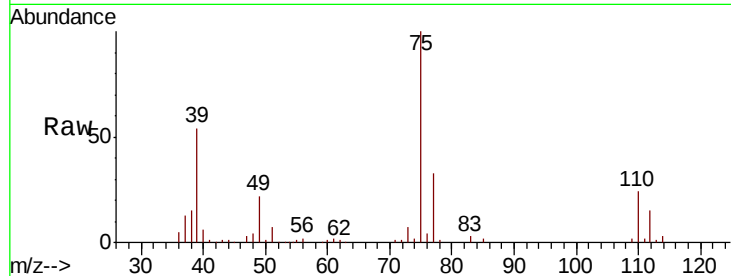
VSTDIC020

Tot Ion: 75 Resp: 119453

Ion Ratio Lower Upper

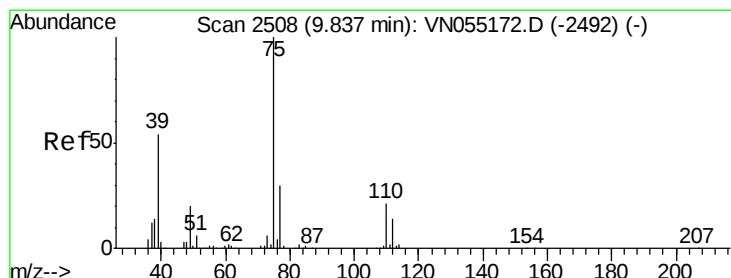
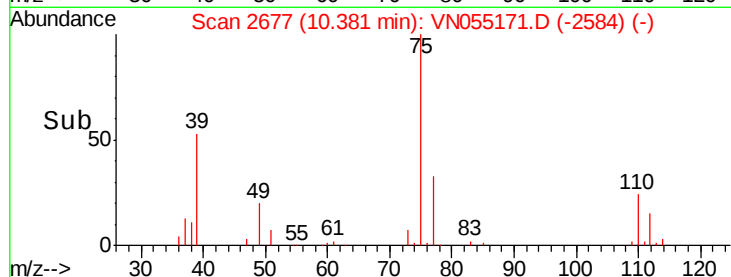
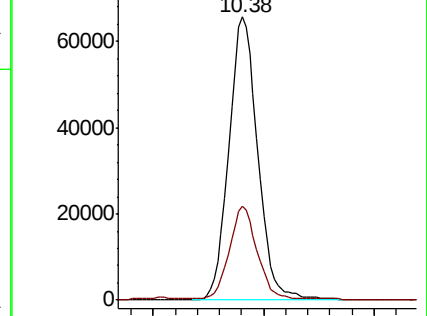
75 100

77 32.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.084 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

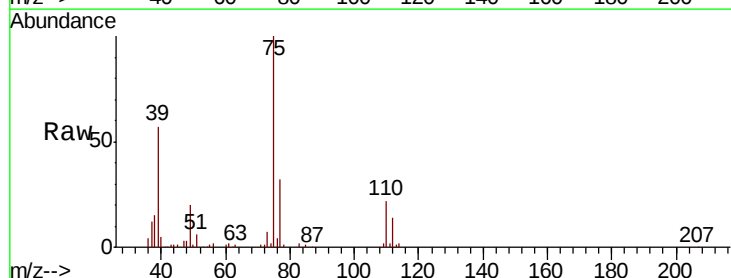
Tgt Ion: 75 Resp: 151617

Ion Ratio Lower Upper

75 100

77 31.5 24.3 36.5

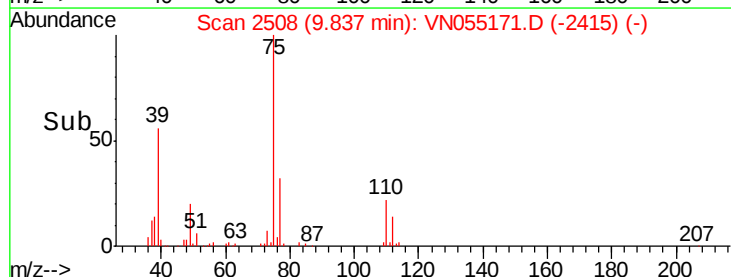
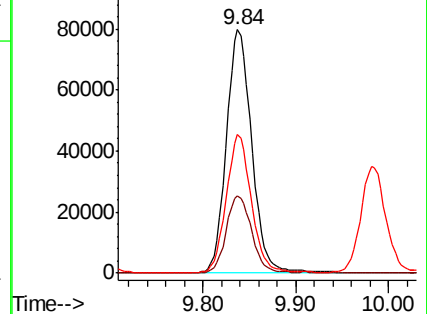
39 56.5 43.0 64.4

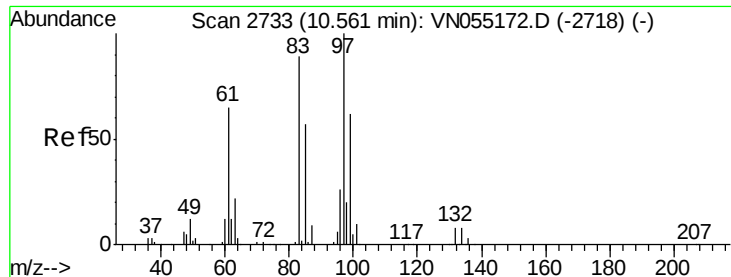


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.260 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 89732

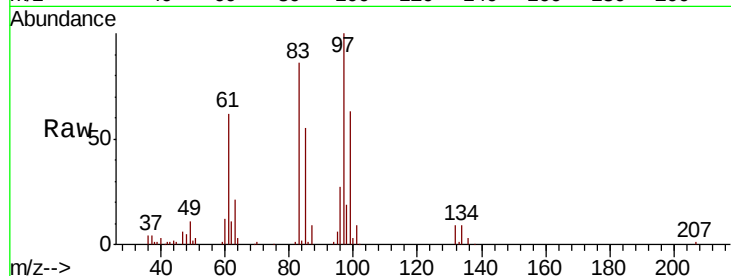
Ion Ratio Lower Upper

97 100

83 85.8 71.5 107.3

85 55.4 45.8 68.6

99 63.4 49.9 74.9

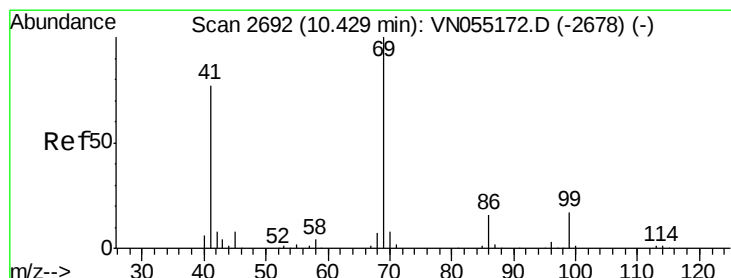
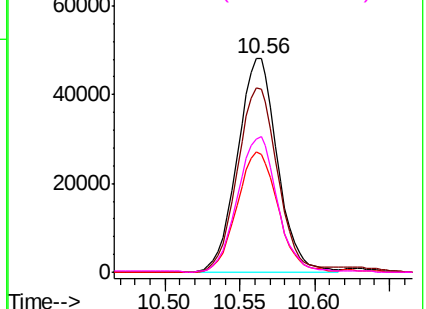
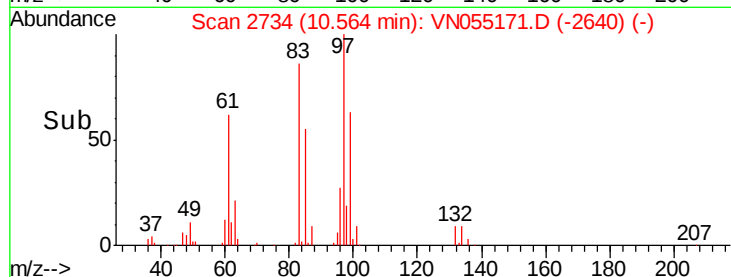


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.586 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

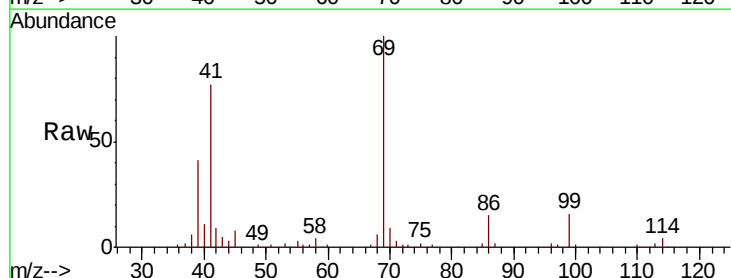
Tgt Ion: 69 Resp: 108059

Ion Ratio Lower Upper

69 100

41 75.5 60.6 90.8

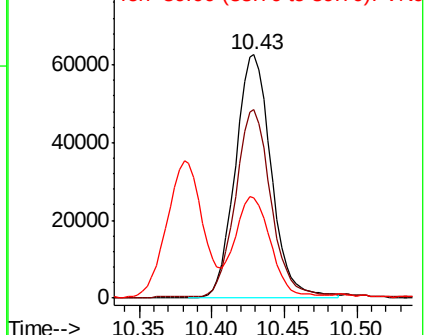
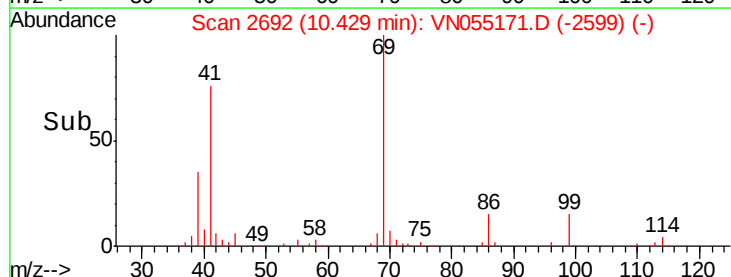
39 39.3 31.7 47.5

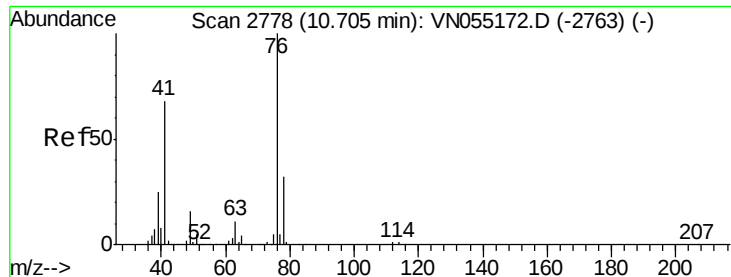


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.382 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

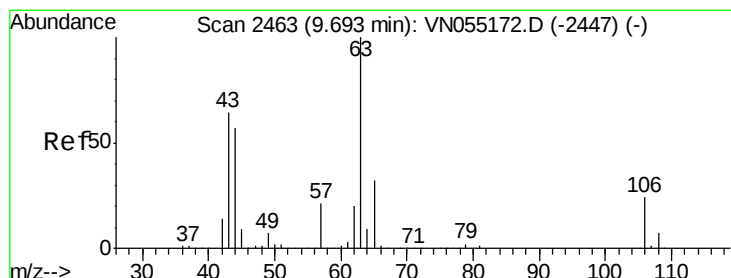
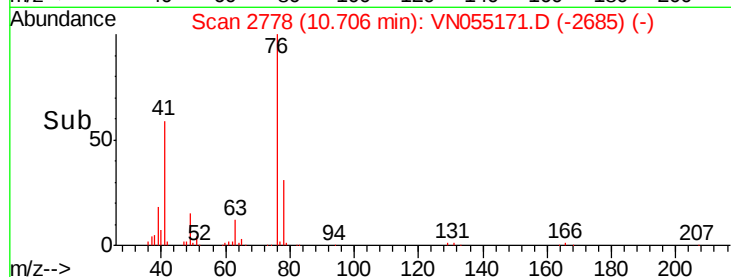
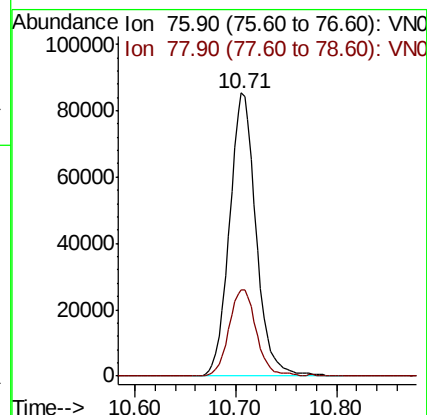
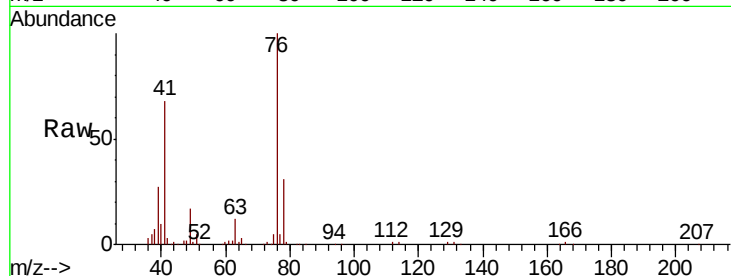
VSTDIC020

Tot Ion: 76 Resp: 157056

Ion Ratio Lower Upper

76 100

78 31.5 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 95.624 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055171.D

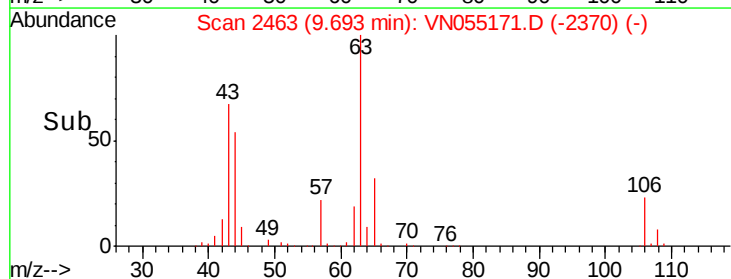
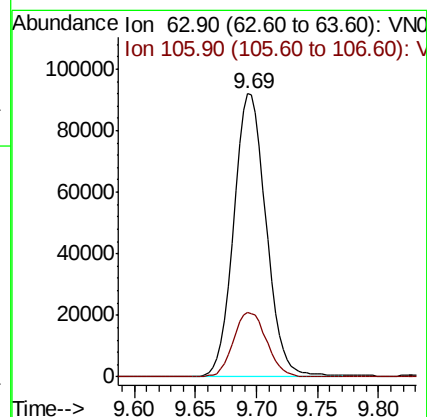
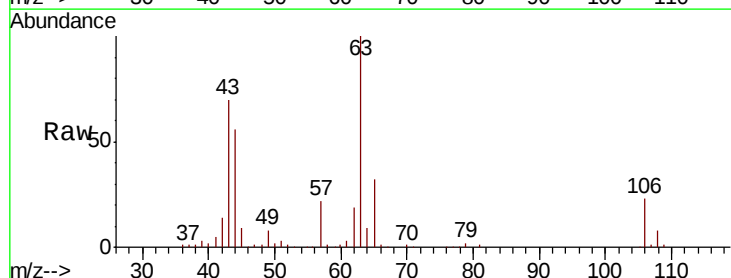
Acq: 22 Apr 2019 10:12

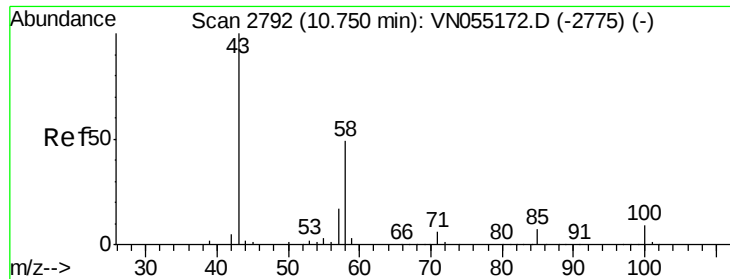
Tgt Ion: 63 Resp: 170098

Ion Ratio Lower Upper

63 100

106 23.5 19.4 29.0

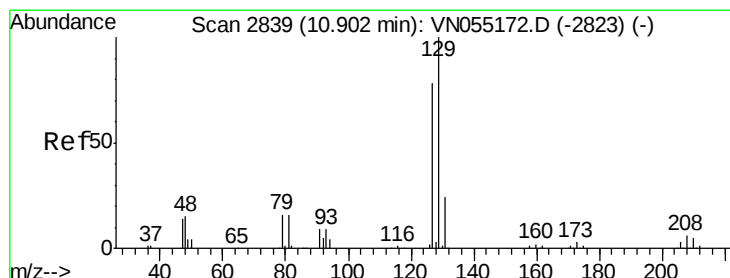
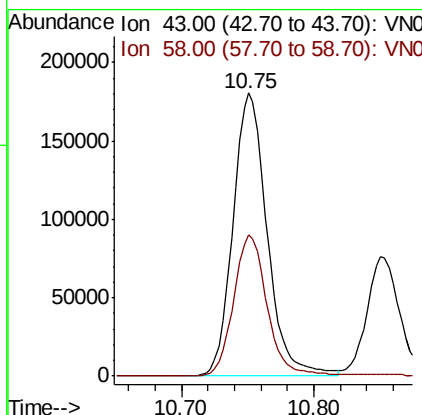
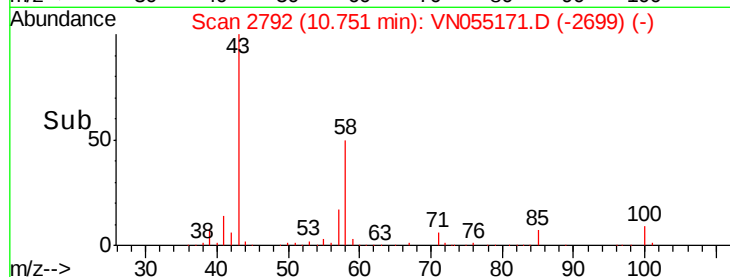
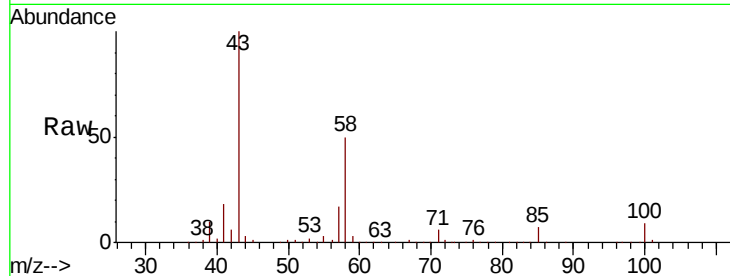




#59
2-Hexanone
Concen: 101.695 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

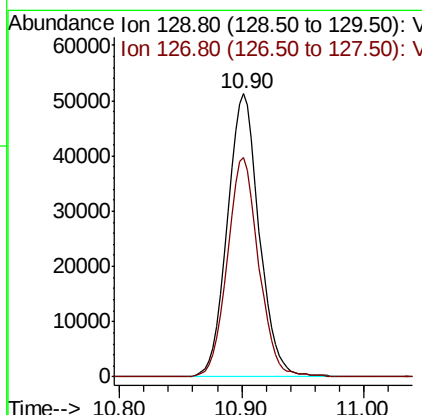
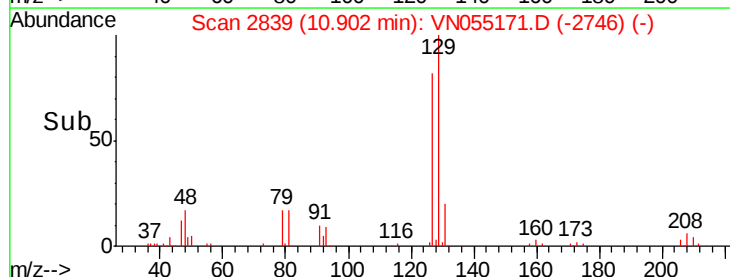
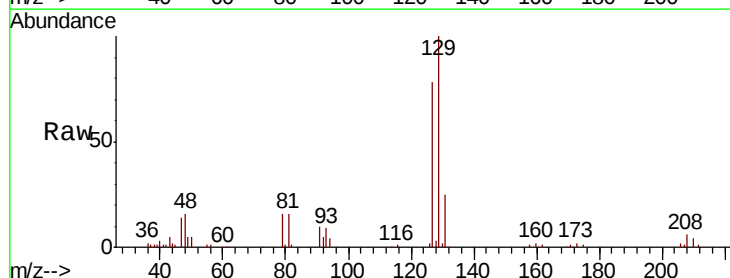
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

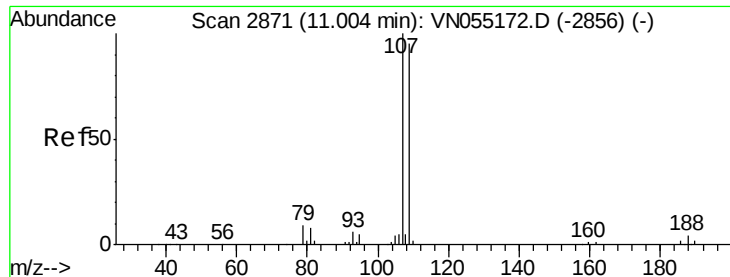
Tot Ion: 43 Resp: 320665
Ion Ratio Lower Upper
43 100
58 49.2 24.5 73.5



#60
Dibromochloromethane
Concen: 20.446 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 129 Resp: 93273
Ion Ratio Lower Upper
129 100
127 76.6 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.891 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

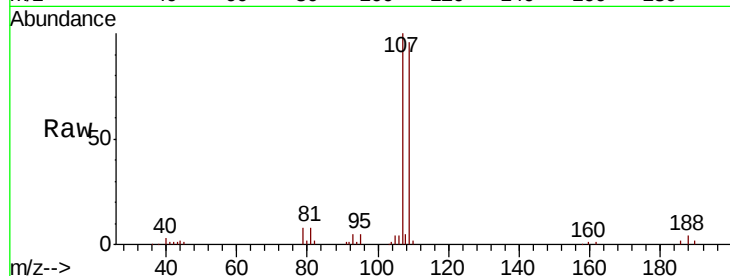
VSTDIC020

Tot Ion:107 Resp: 82826

Ion Ratio Lower Upper

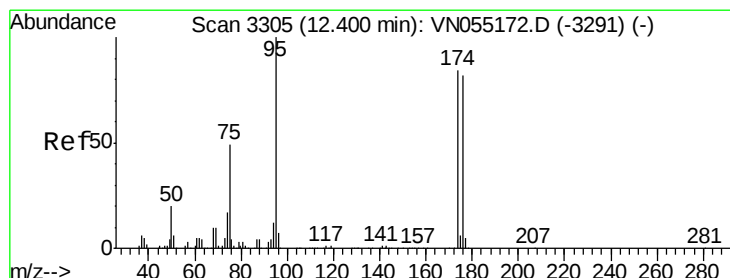
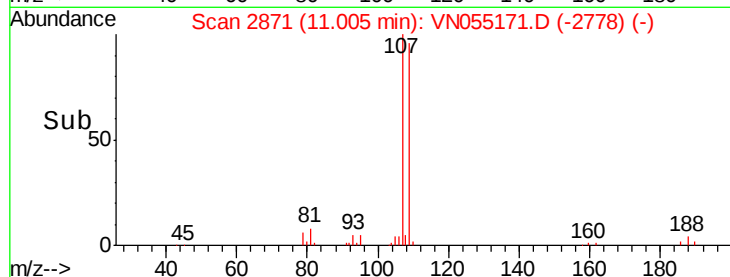
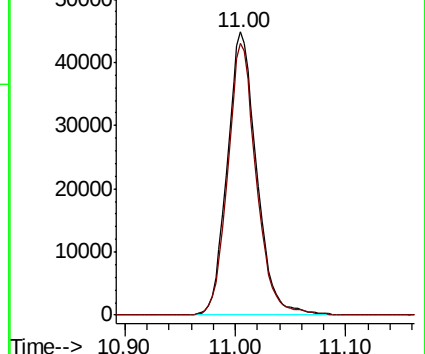
107 100

109 93.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

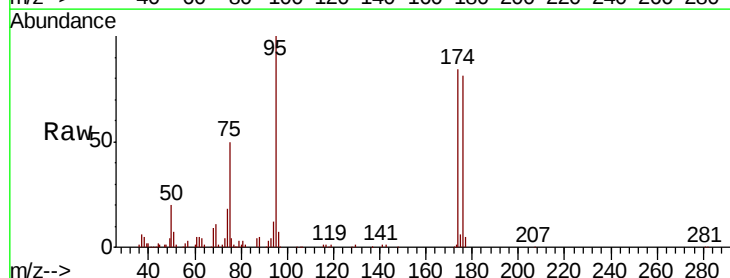
Tgt Ion: 95 Resp: 113354

Ion Ratio Lower Upper

95 100

174 84.0 0.0 168.4

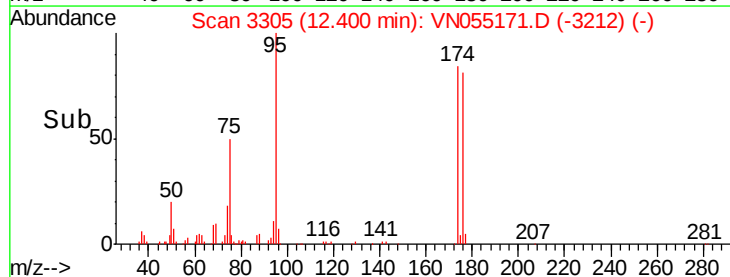
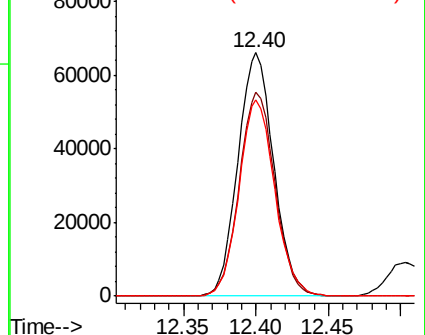
176 80.7 0.0 164.0

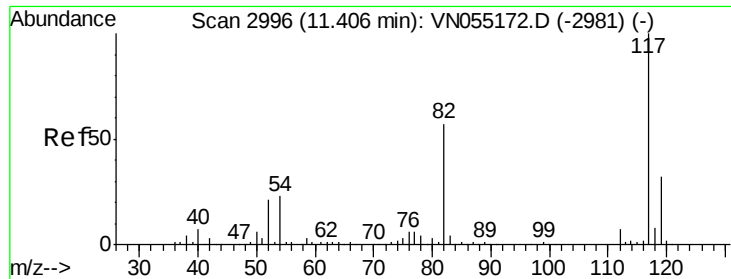


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

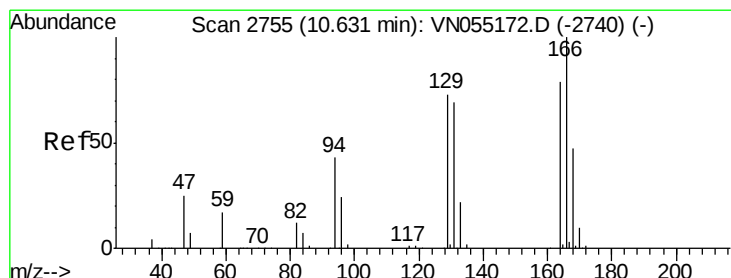
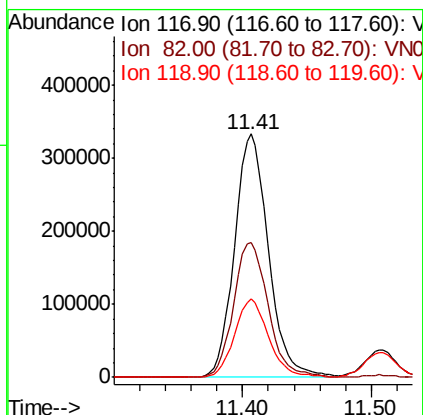
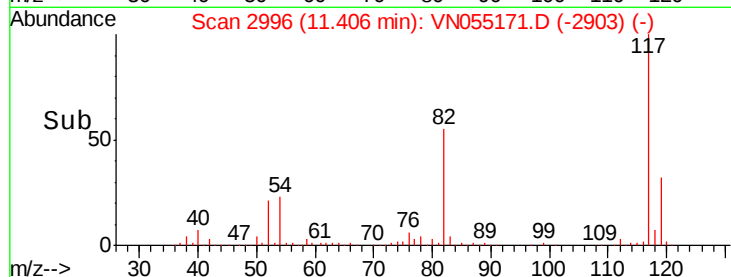
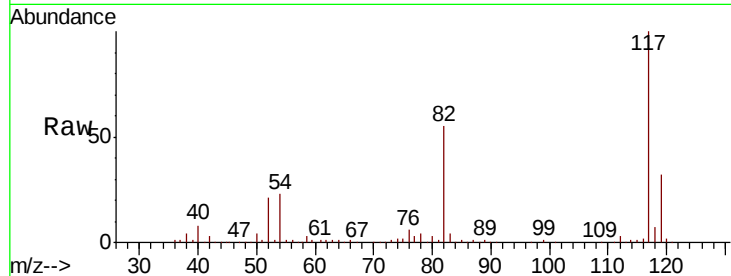




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

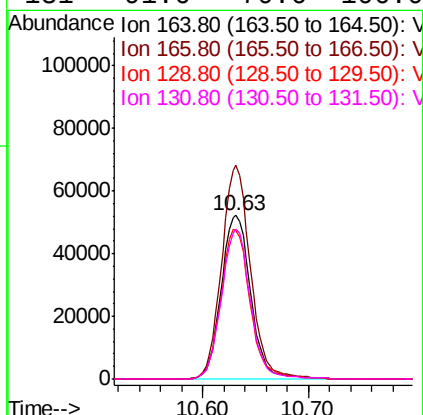
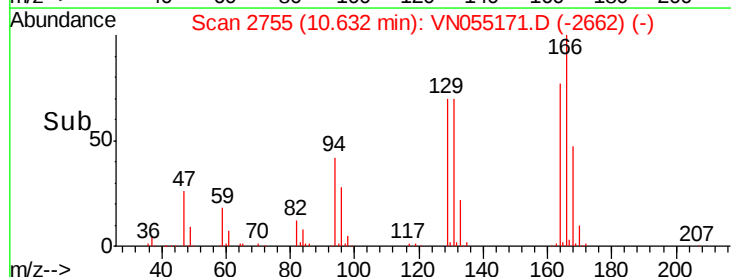
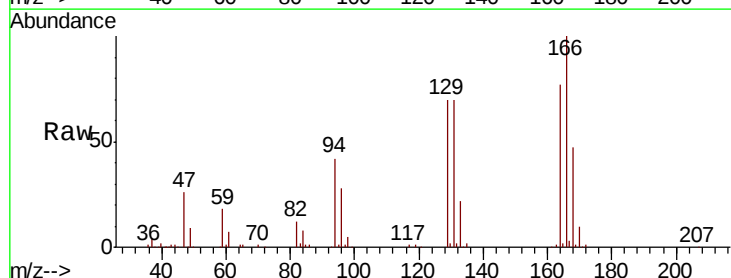
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

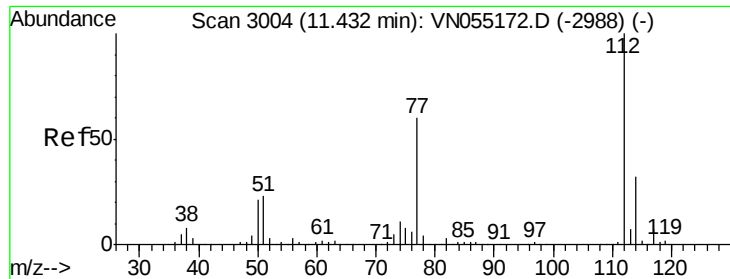
Tot Ion:117 Resp: 610048
Ion Ratio Lower Upper
117 100
82 55.5 45.7 68.5
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.287 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion:164 Resp: 100960
Ion Ratio Lower Upper
164 100
166 130.4 101.9 152.9
129 91.0 74.1 111.1
131 91.6 70.6 106.0

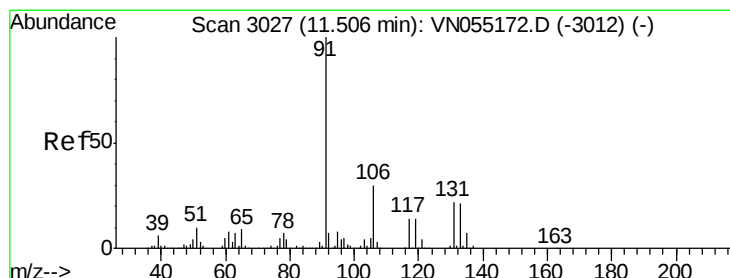
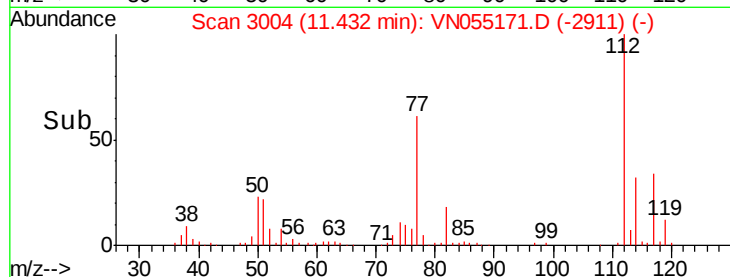
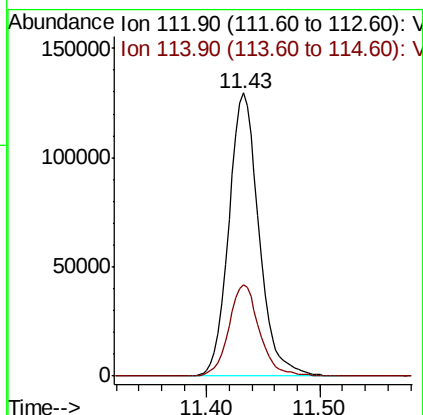
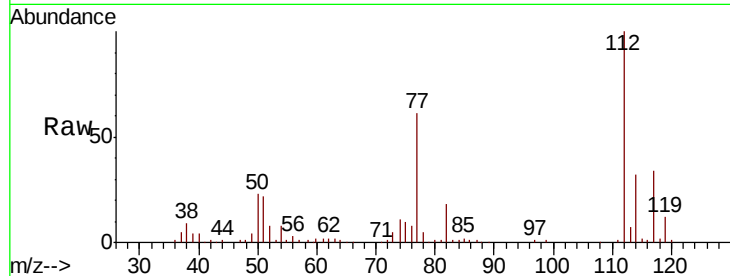




#65
Chlorobenzene
Concen: 19.234 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

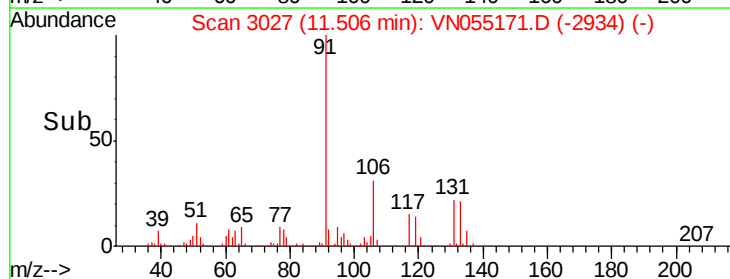
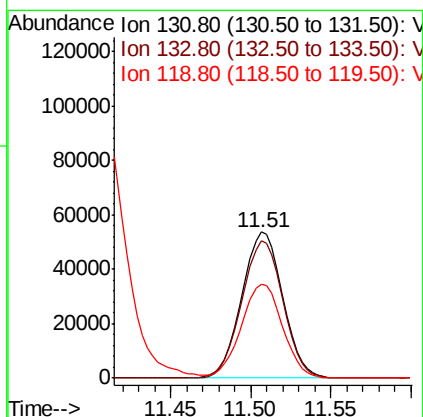
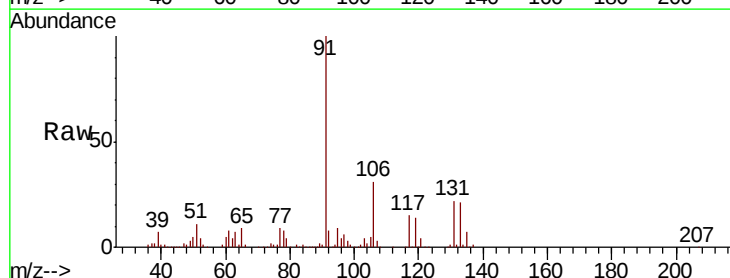
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

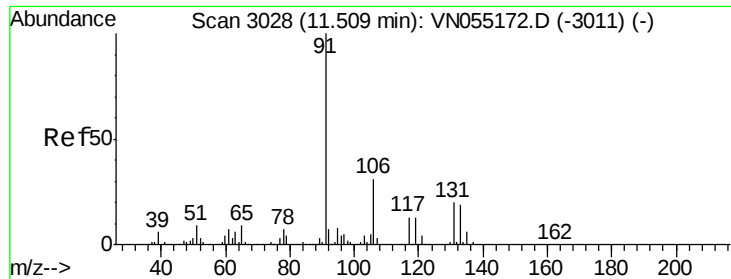
Tot Ion:112 Resp: 239503
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.385 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion:131 Resp: 94075
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 64.7 33.2 99.6

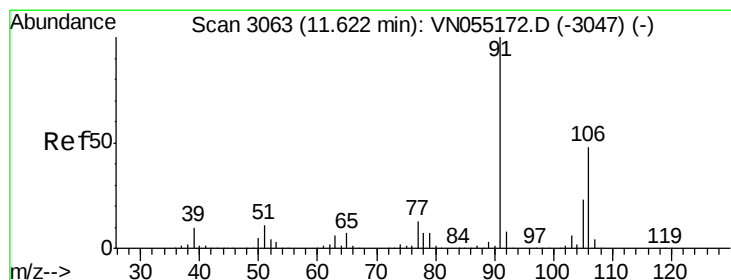
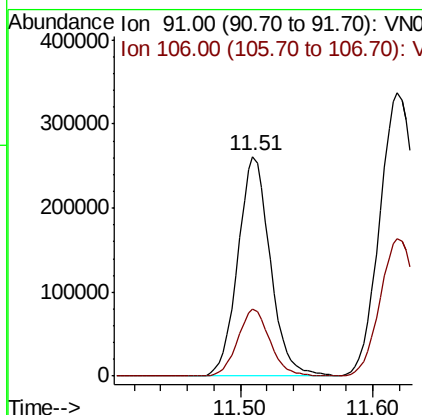
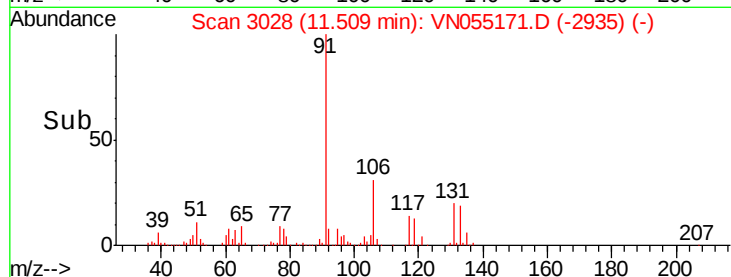
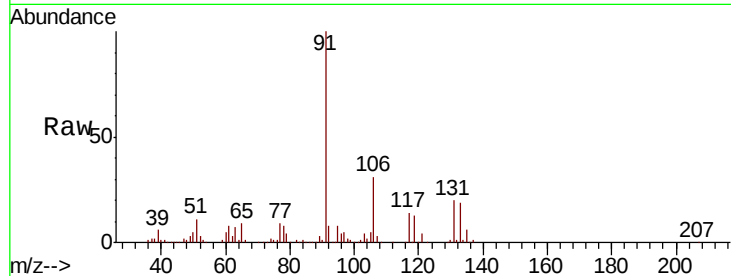




#67
Ethyl Benzene
Concen: 19.990 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

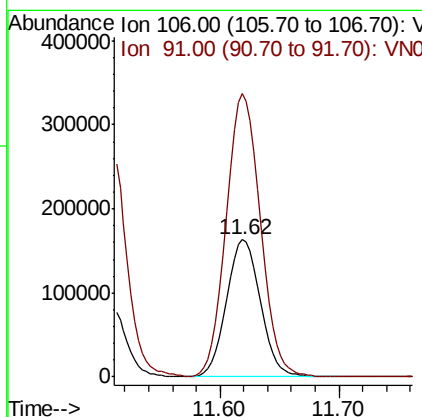
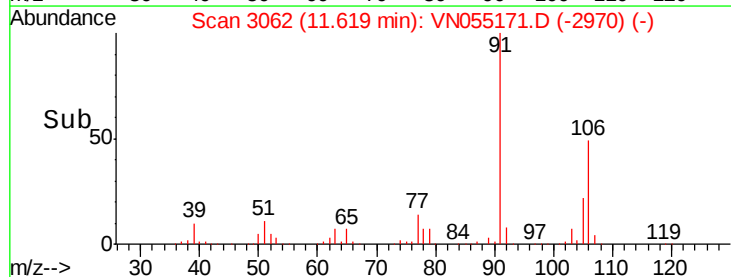
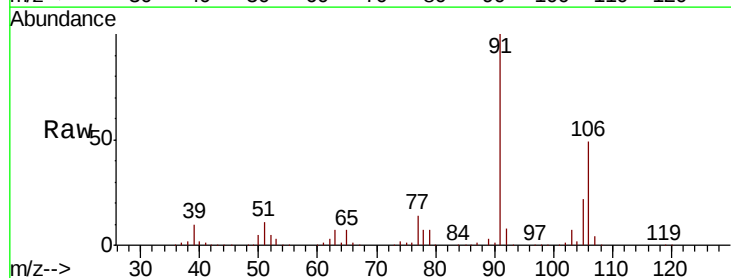
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

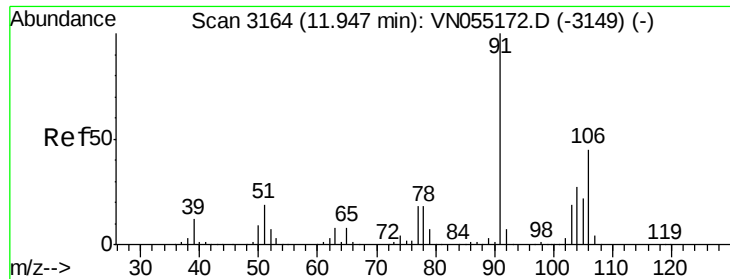
Tot Ion: 91 Resp: 443397
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7



#68
m/p-Xylenes
Concen: 40.667 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 106 Resp: 323520
Ion Ratio Lower Upper
106 100
91 207.8 167.1 250.7

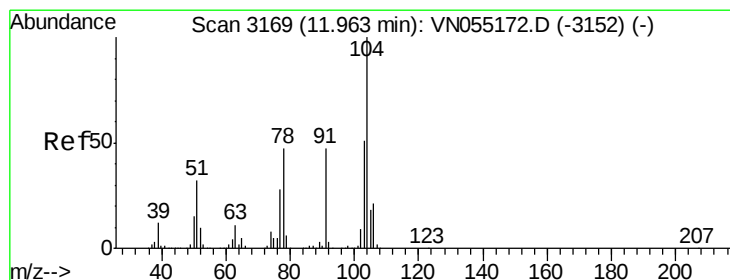
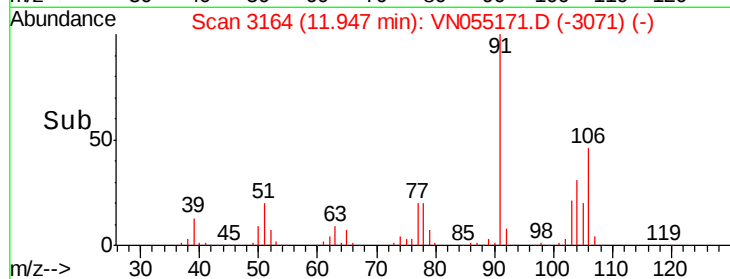
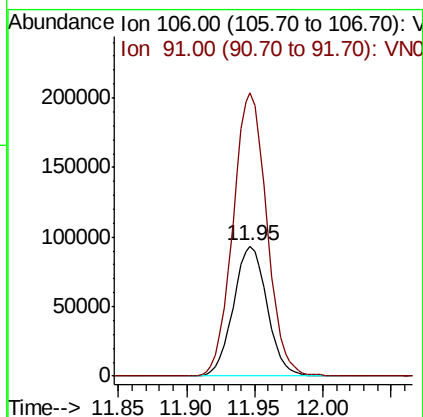
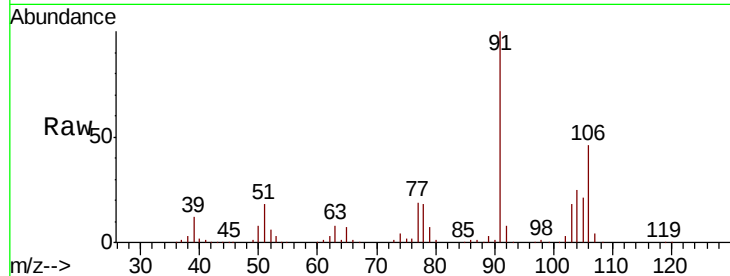




#69
o-Xylene
Concen: 20.309 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

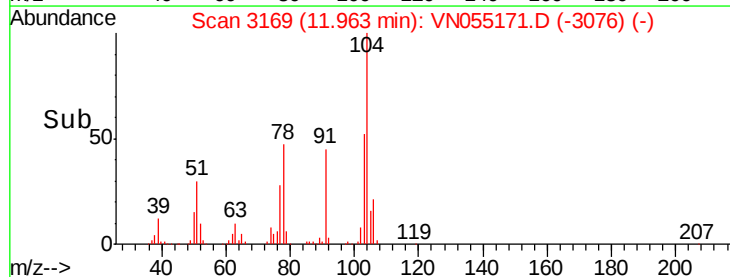
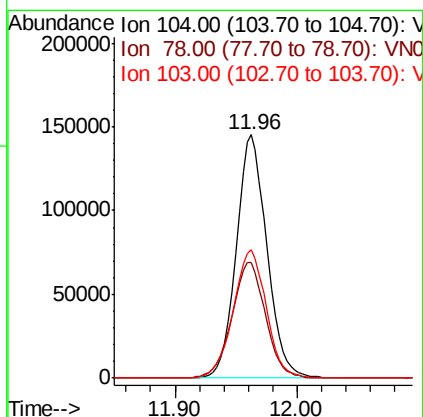
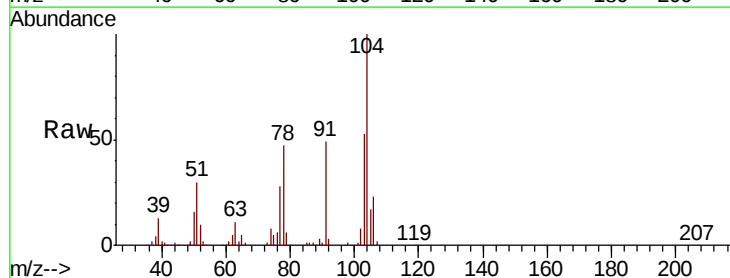
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

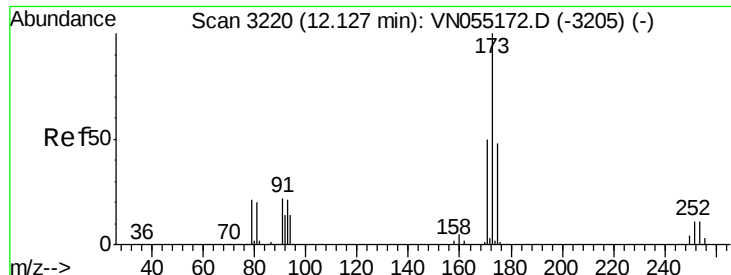
Tot Ion:106 Resp: 160338
Ion Ratio Lower Upper
106 100
91 218.5 110.6 331.8



#70
Styrene
Concen: 20.497 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion:104 Resp: 250828
Ion Ratio Lower Upper
104 100
78 52.7 41.3 61.9
103 57.0 44.2 66.4

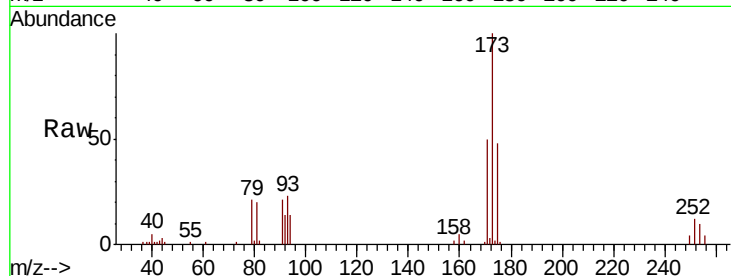




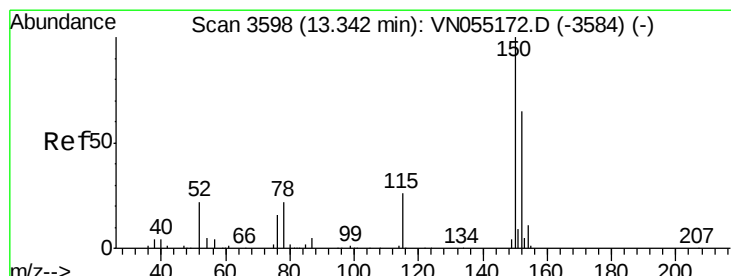
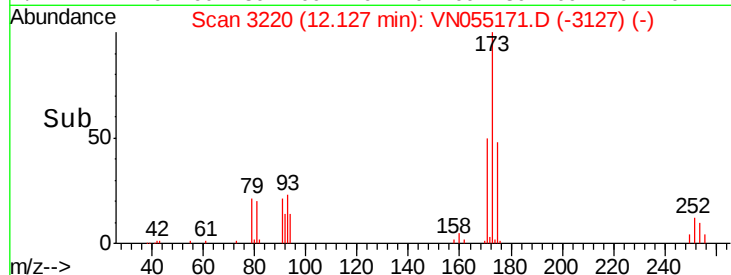
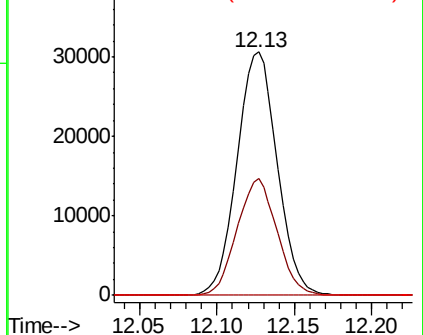
#71
Bromoform
Concen: 20.053 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 55226
Ion Ratio Lower Upper
173 100
175 47.4 23.8 71.2
254 0.0 0.1 0.1#

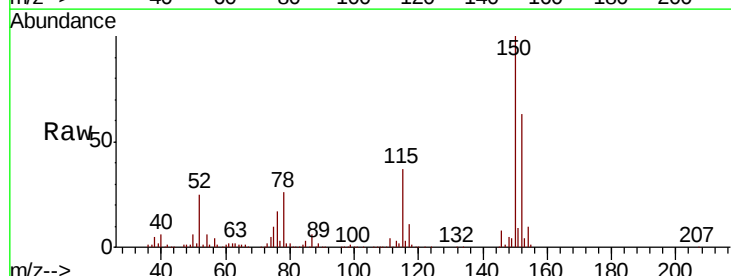


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

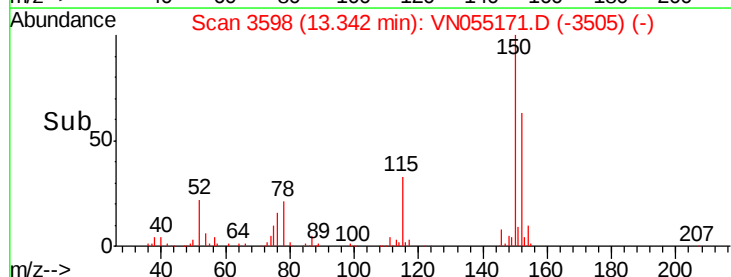
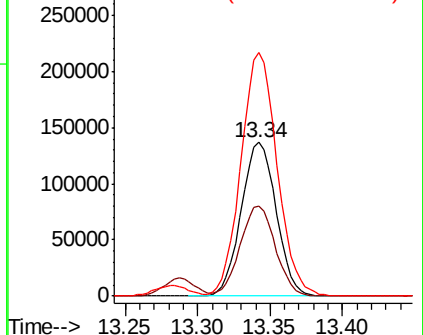


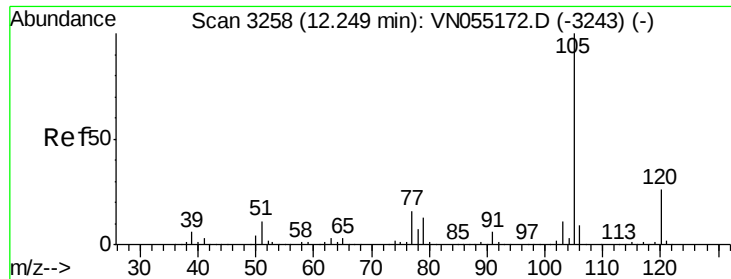
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion:152 Resp: 230748
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 163.3 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.097 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

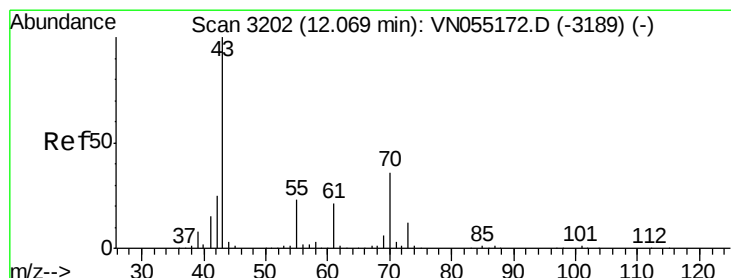
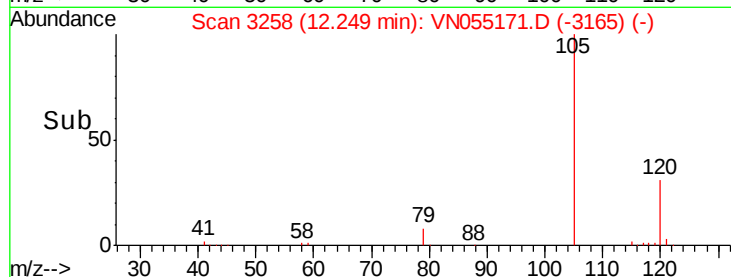
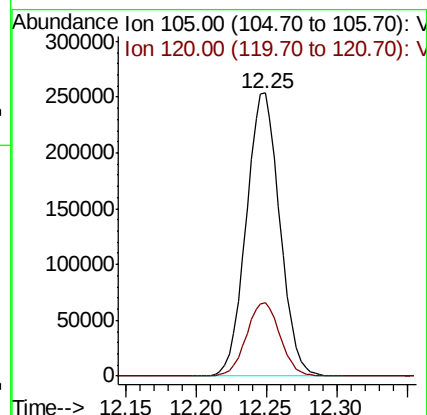
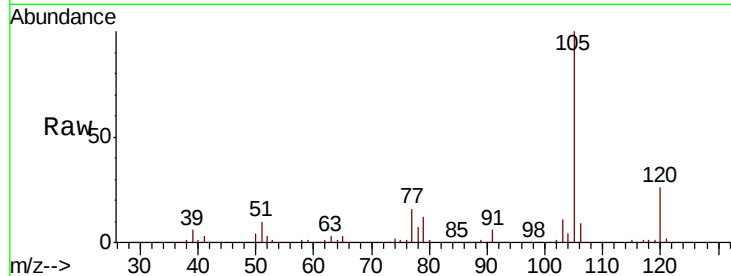
VSTDIC020

Tot Ion:105 Resp: 423032

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 18.990 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Tgt Ion: 43 Resp: 112974

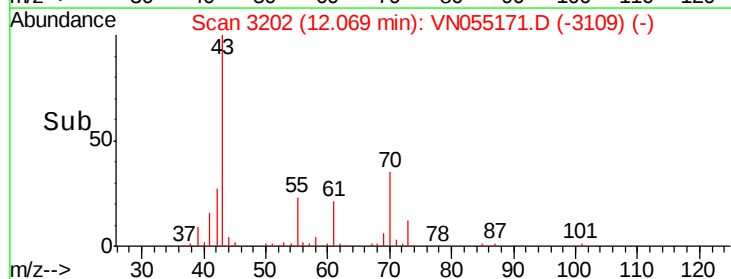
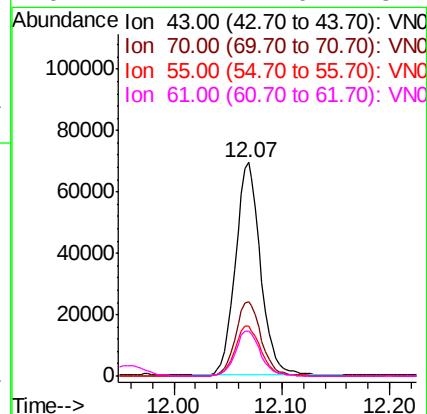
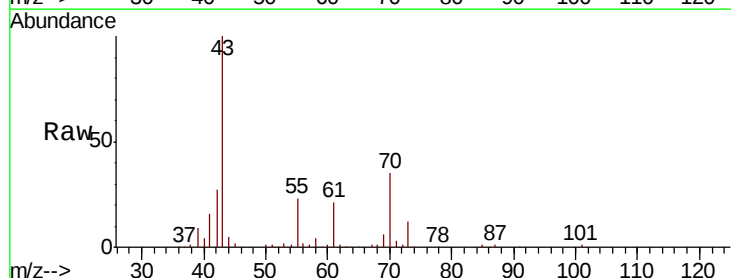
Ion Ratio Lower Upper

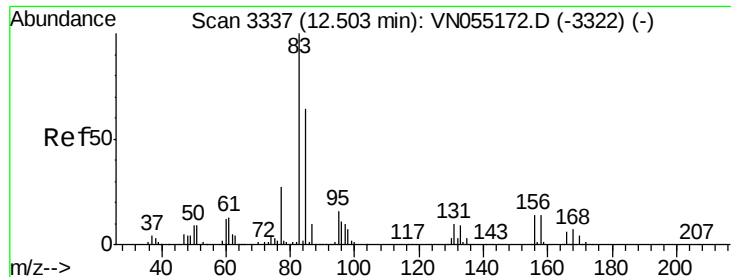
43 100

70 35.8 29.0 43.6

55 24.0 18.5 27.7

61 21.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.098 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

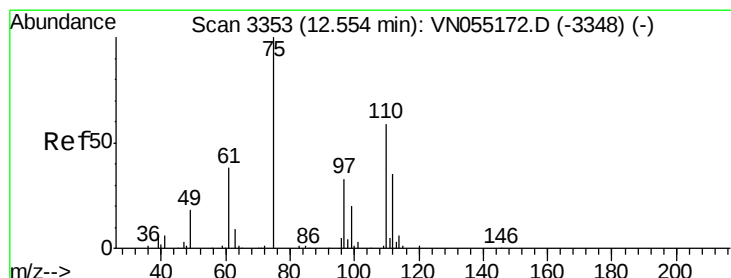
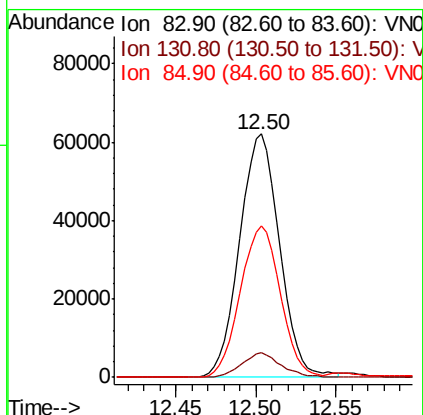
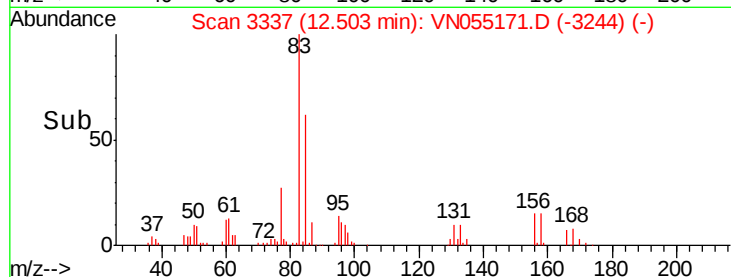
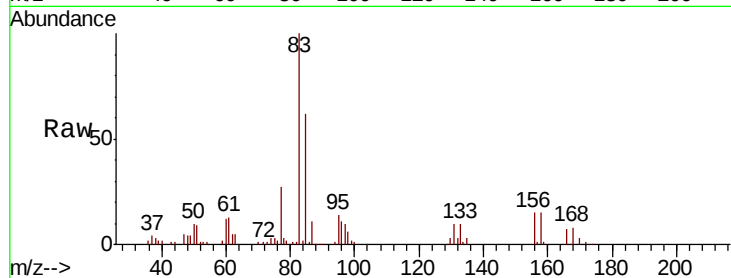
Tot Ion: 83 Resp: 106095

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

85 62.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 27.865 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055171.D

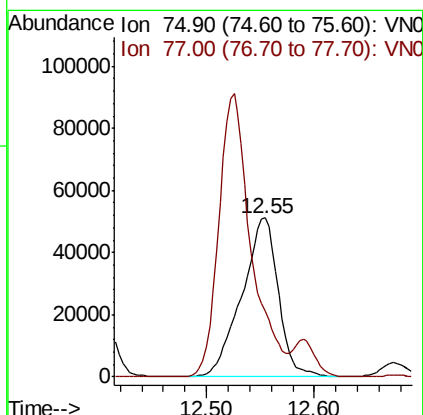
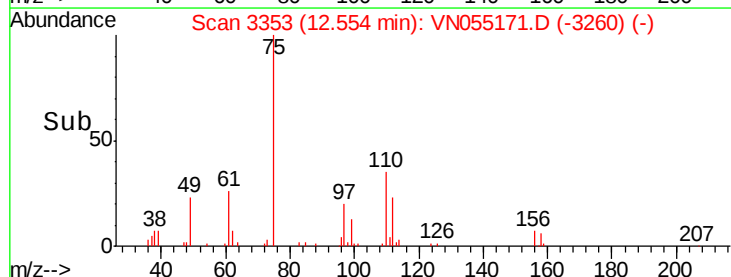
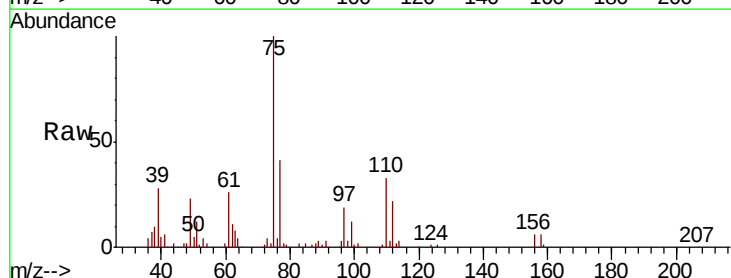
Acq: 22 Apr 2019 10:12

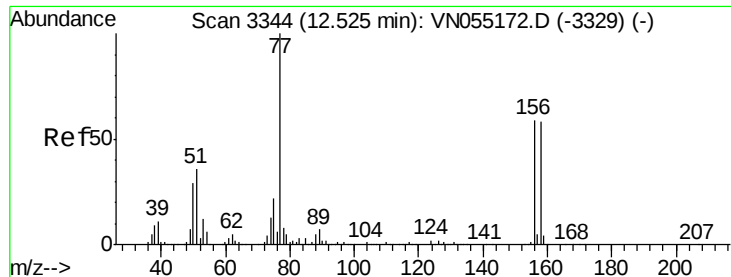
Tgt Ion: 75 Resp: 120500

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.410 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

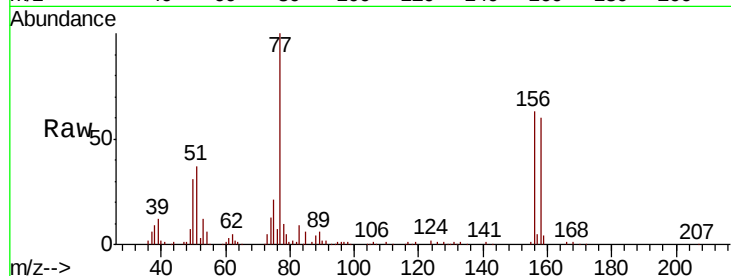
Tot Ion:156 Resp: 98878

Ion Ratio Lower Upper

156 100

77 191.6 98.0 293.9

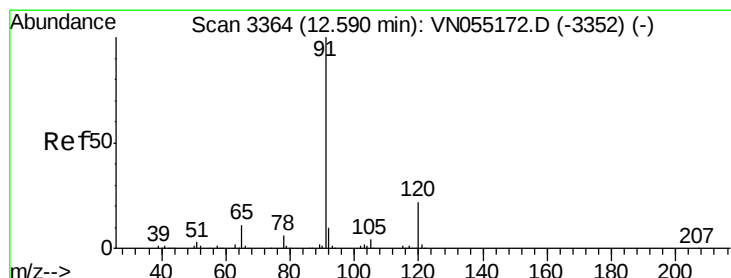
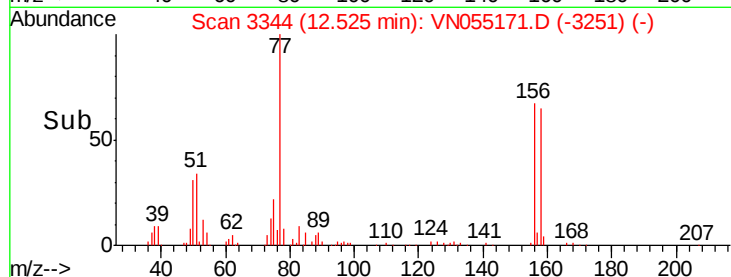
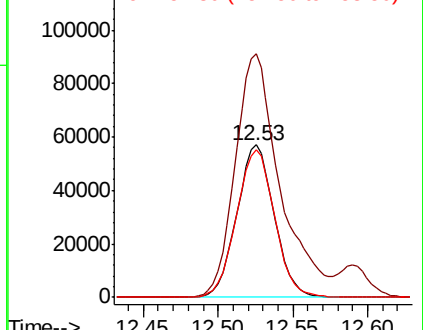
158 99.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.570 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055171.D

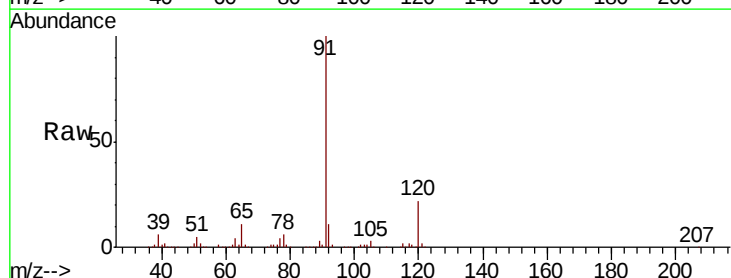
Acq: 22 Apr 2019 10:12

Tgt Ion: 91 Resp: 452877

Ion Ratio Lower Upper

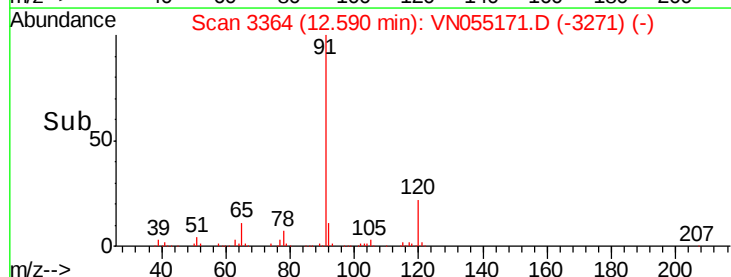
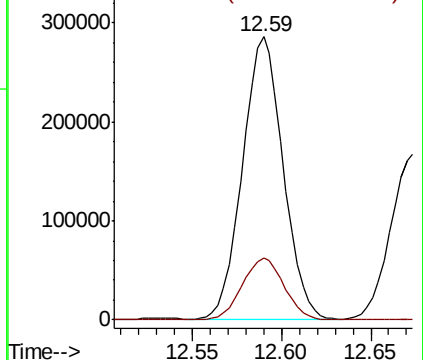
91 100

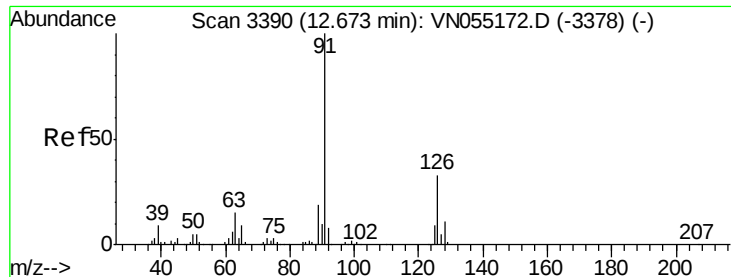
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.258 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

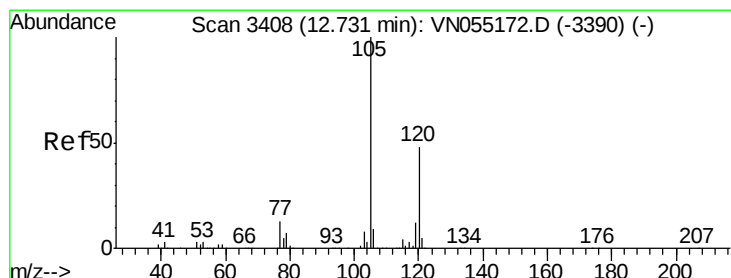
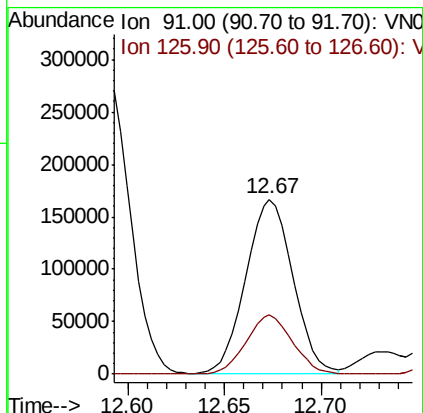
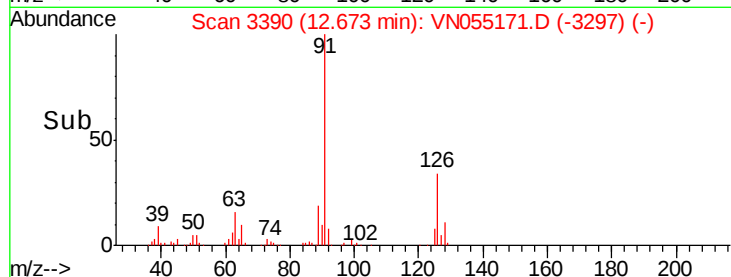
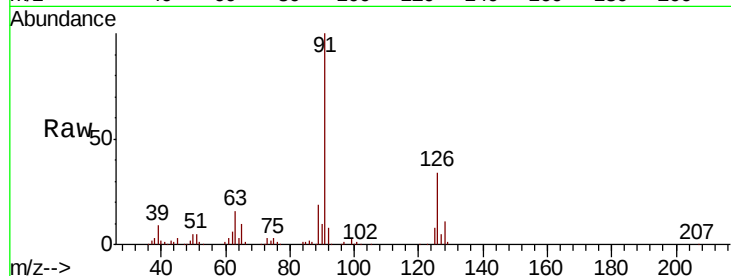
VSTDIC020

Tot Ion: 91 Resp: 281400

Ion Ratio Lower Upper

91 100

126 33.4 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 19.538 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055171.D

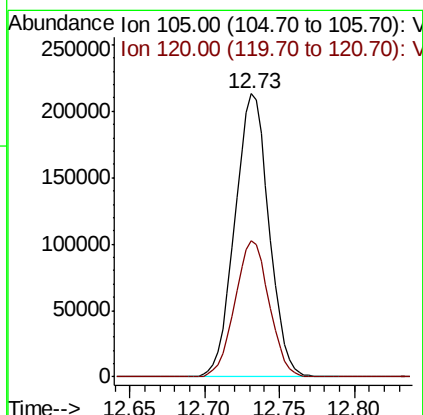
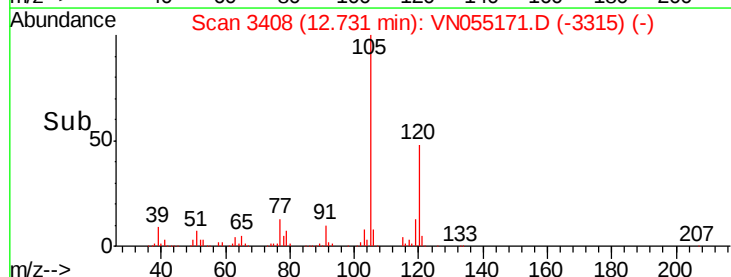
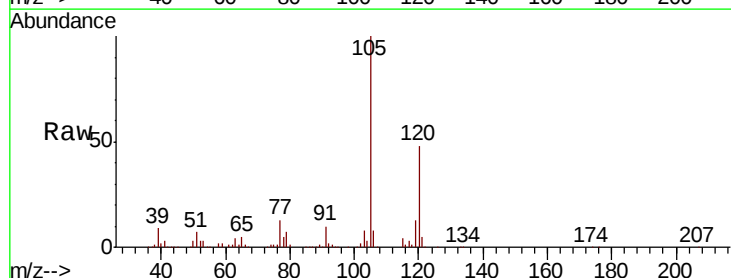
Acq: 22 Apr 2019 10:12

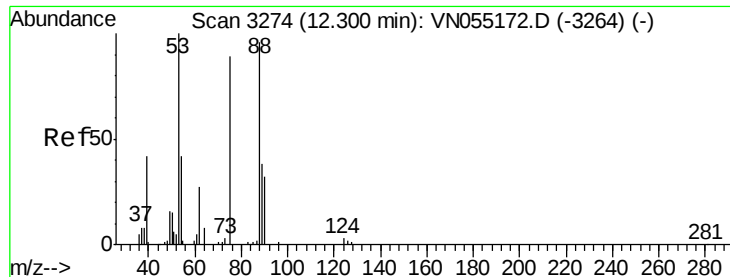
Tgt Ion:105 Resp: 337493

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.101 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

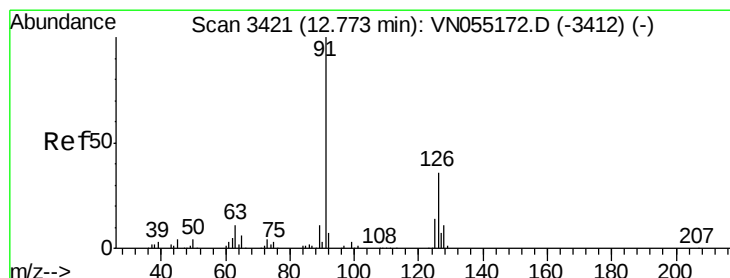
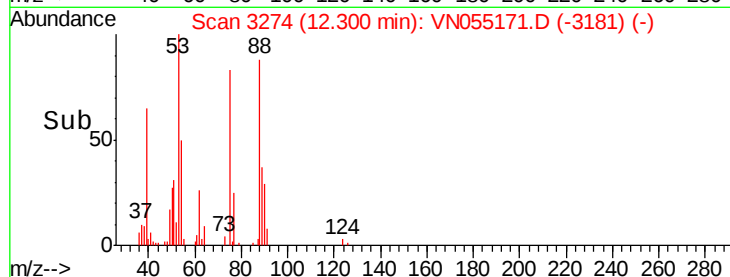
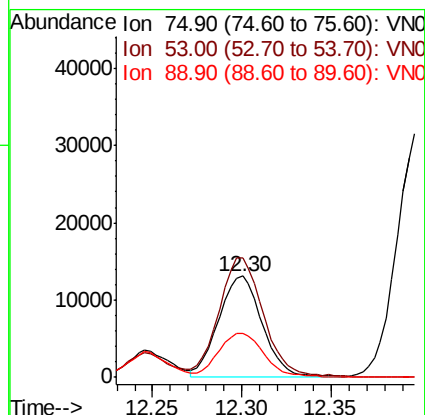
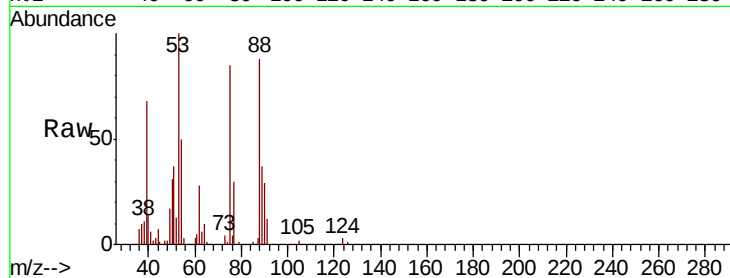
Tot Ion: 75 Resp: 22353

Ion	Ratio	Lower	Upper
75	100		
53	121.1	90.1	135.1
89	45.0	36.7	55.1

75 100

53 121.1 90.1 135.1

89 45.0 36.7 55.1



#82

4-Chlorotoluene

Concen: 19.468 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055171.D

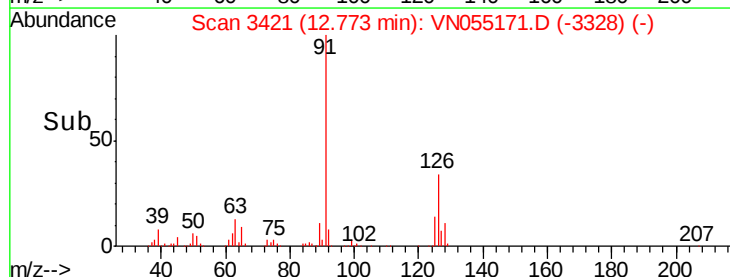
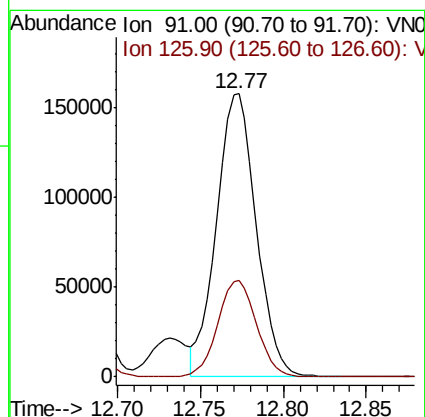
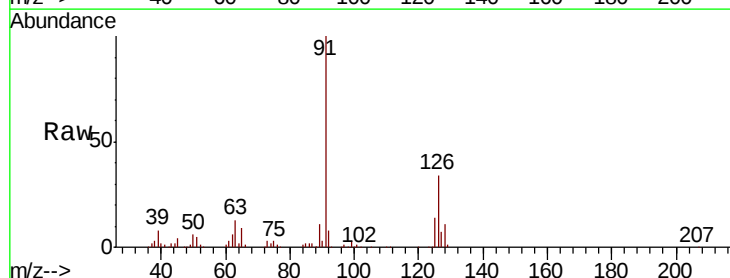
Acq: 22 Apr 2019 10:12

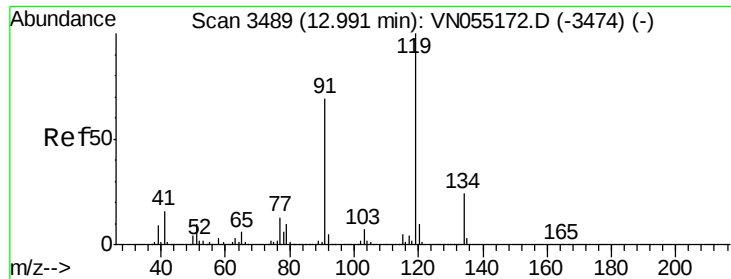
Tgt Ion: 91 Resp: 261727

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.5	49.5

91 100

126 33.3 16.5 49.5

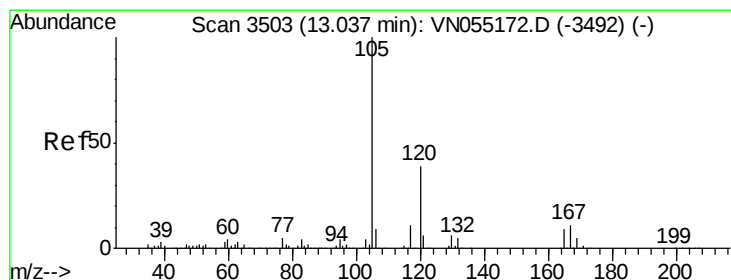
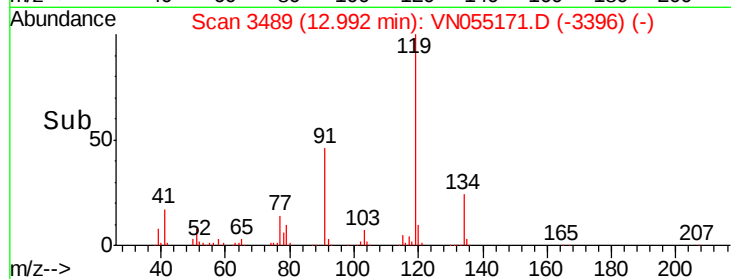
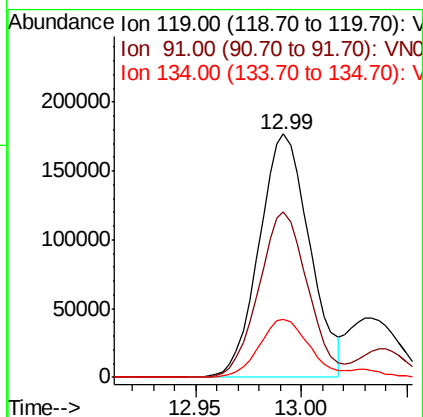
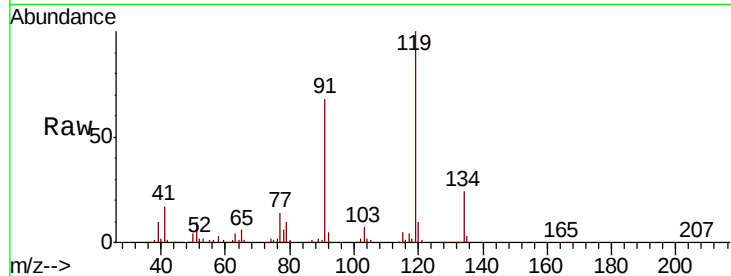




#83
tert-Butylbenzene
Concen: 19.016 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

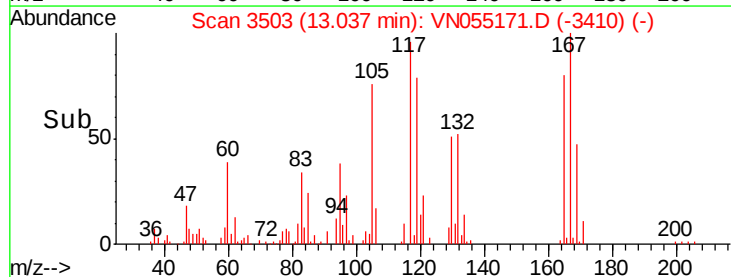
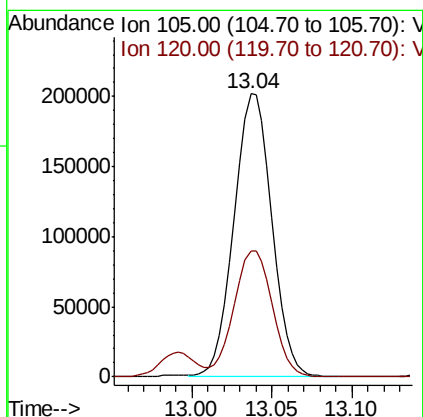
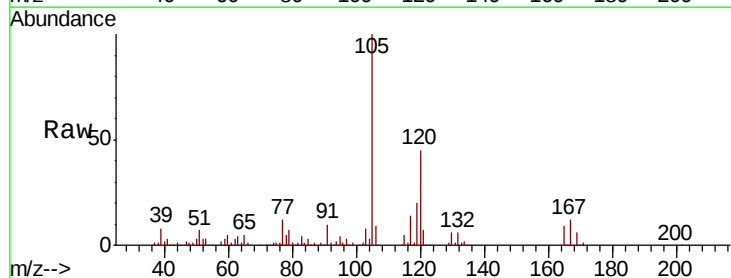
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

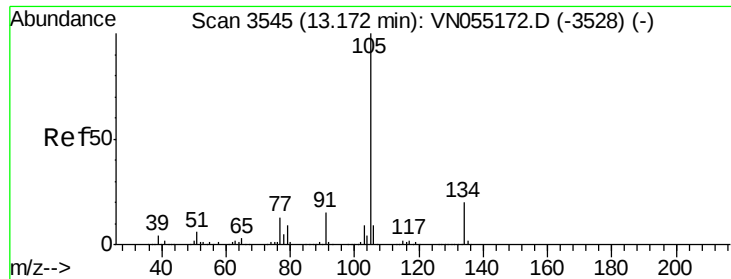
Tot Ion:119 Resp: 293859
Ion Ratio Lower Upper
119 100
91 66.3 33.8 101.3
134 23.6 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 19.934 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion:105 Resp: 324940
Ion Ratio Lower Upper
105 100
120 45.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 18.828 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

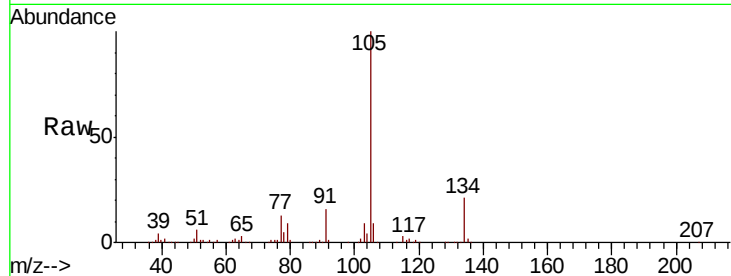
VSTDIC020

Tot Ion:105 Resp: 367935

Ion Ratio Lower Upper

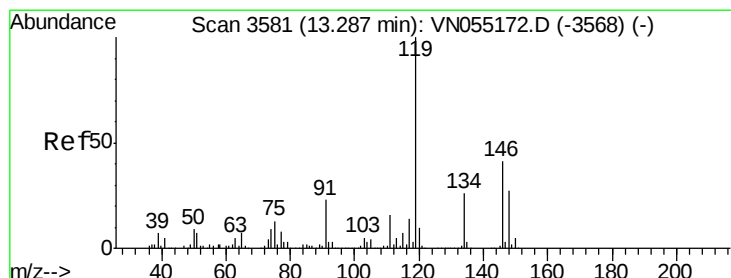
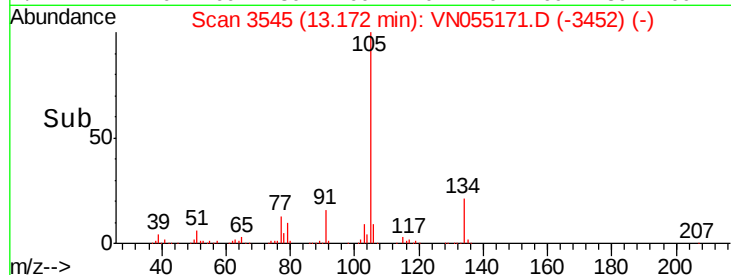
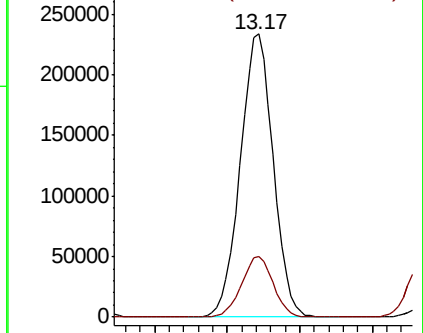
105 100

134 20.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.673 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

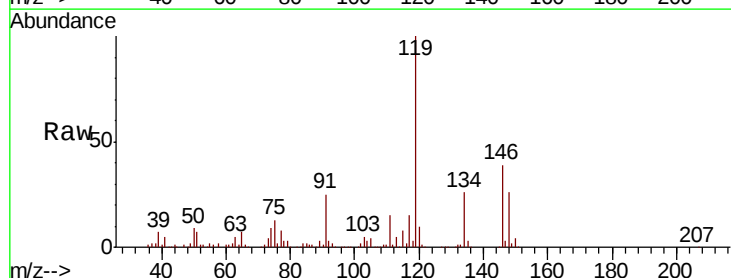
Tgt Ion:119 Resp: 316735

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

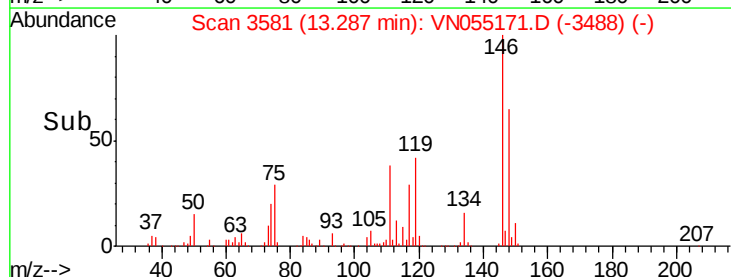
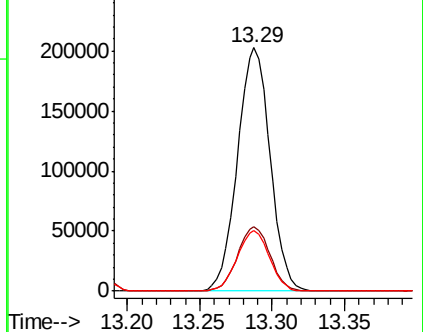
91 24.4 11.8 35.3

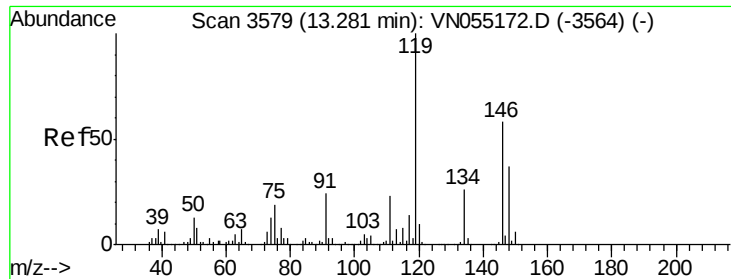


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

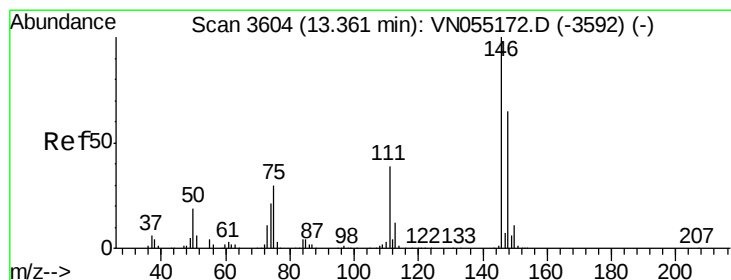
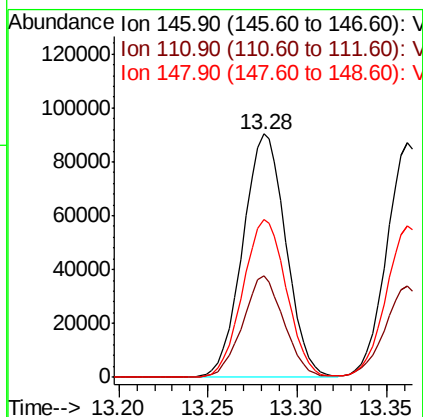
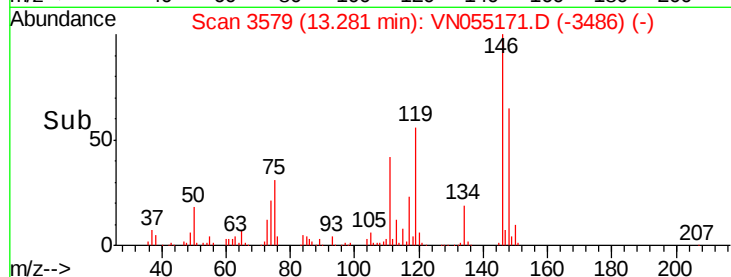
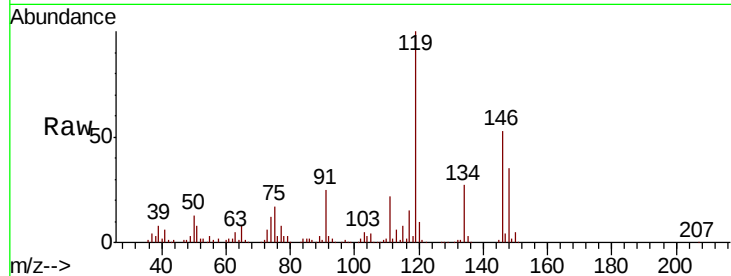




#87
 1,3-Dichlorobenzene
 Concen: 19.546 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

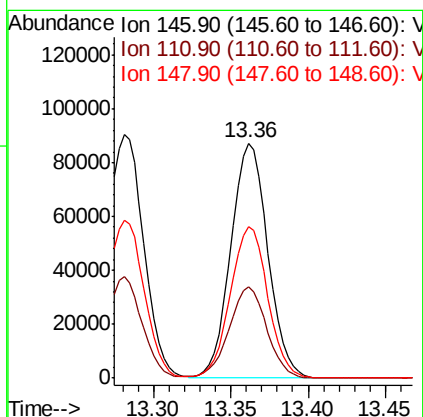
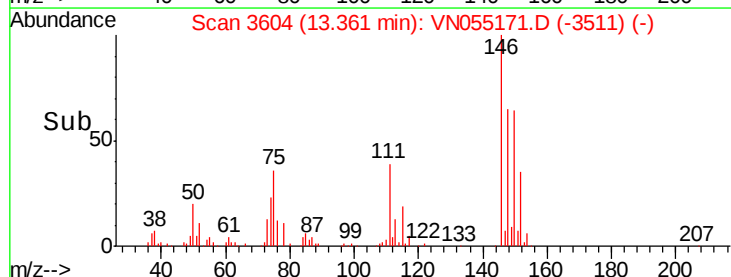
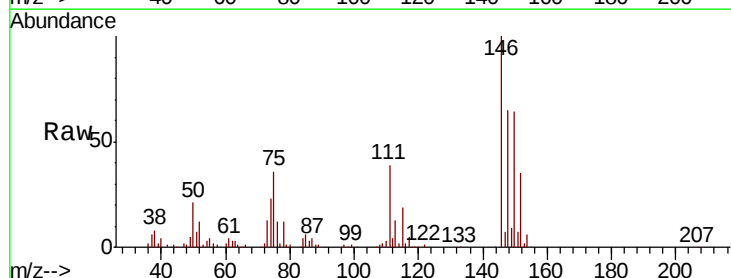
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

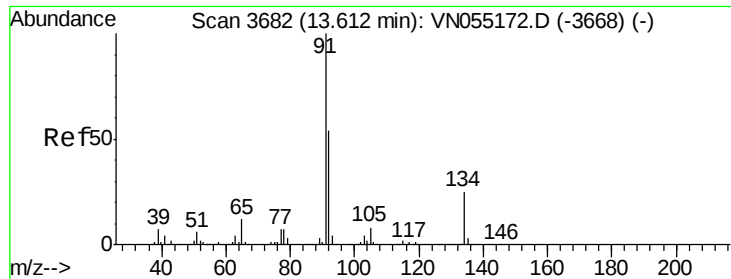
Tot Ion:146 Resp: 152850
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.7 59.1
 148 65.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.002 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055171.D
 Acq: 22 Apr 2019 10:12

Tgt Ion:146 Resp: 144678
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.4 58.2
 148 65.5 32.9 98.6

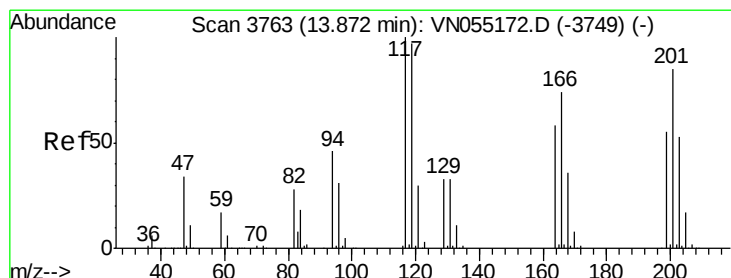
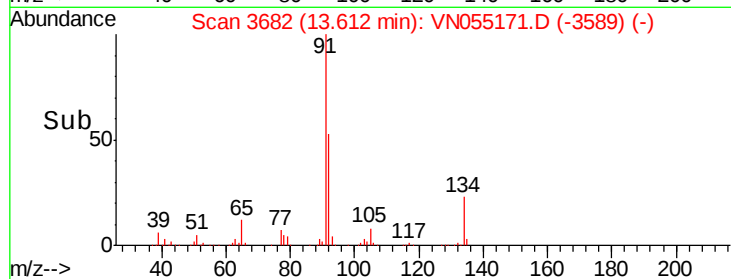
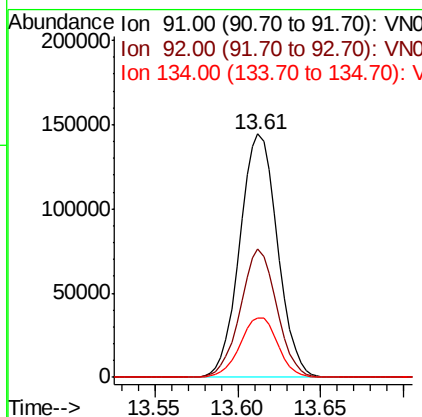
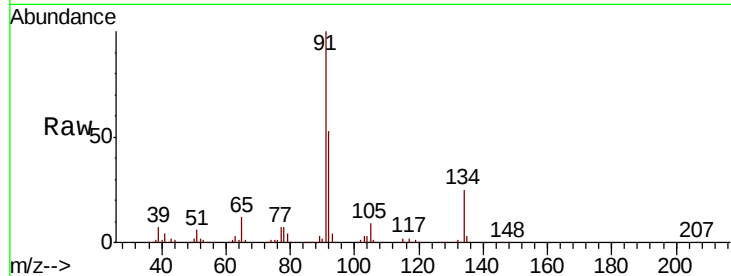




#89
n-Butylbenzene
Concen: 19.144 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

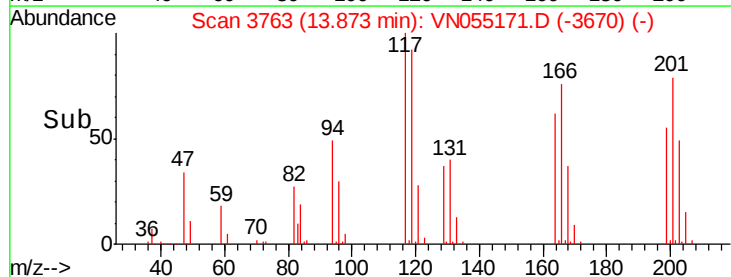
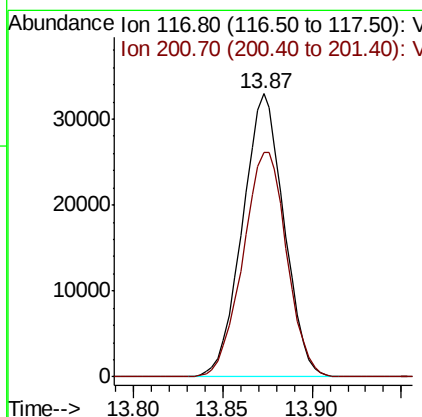
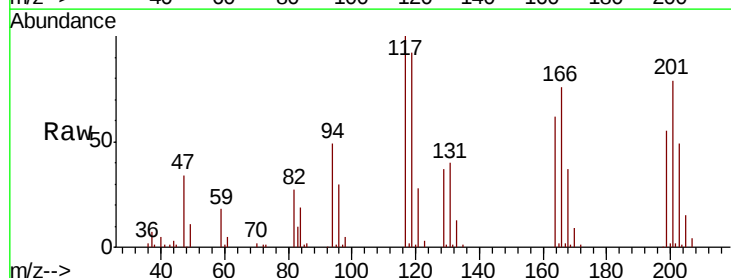
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

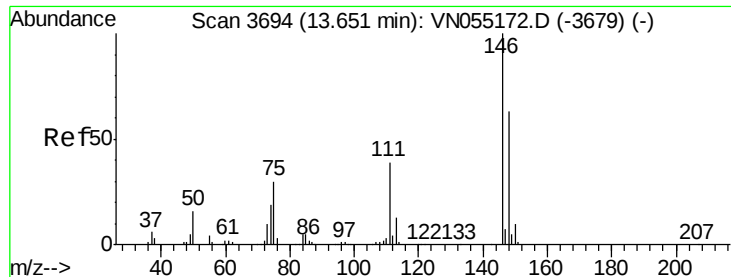
Tot Ion: 91 Resp: 228461
Ion Ratio Lower Upper
91 100
92 50.8 26.4 79.2
134 24.6 12.8 38.4



#90
Hexachloroethane
Concen: 18.798 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055171.D
Acq: 22 Apr 2019 10:12

Tgt Ion: 117 Resp: 53676
Ion Ratio Lower Upper
117 100
201 83.6 43.1 129.4





#91

1,2-Dichlorobenzene

Concen: 19.340 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

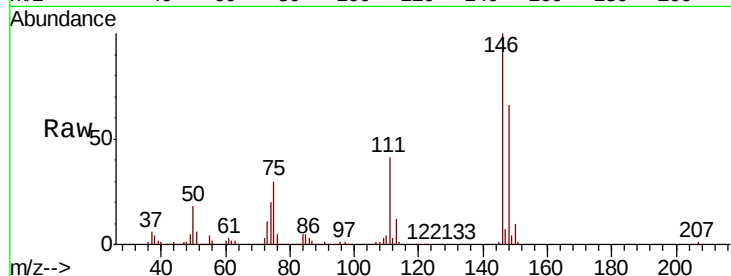
Tot Ion:146 Resp: 155341

Ion Ratio Lower Upper

146 100

111 40.5 19.8 59.3

148 65.0 31.7 95.1

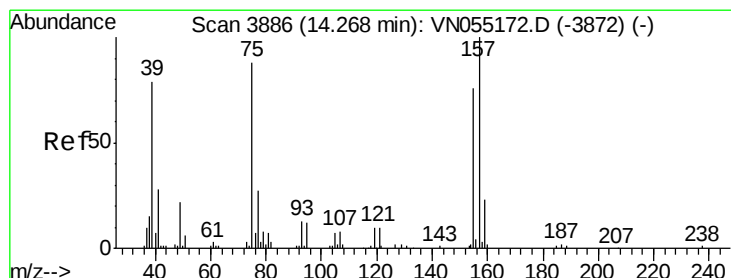
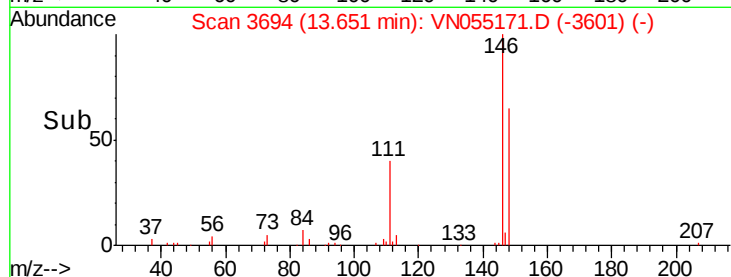
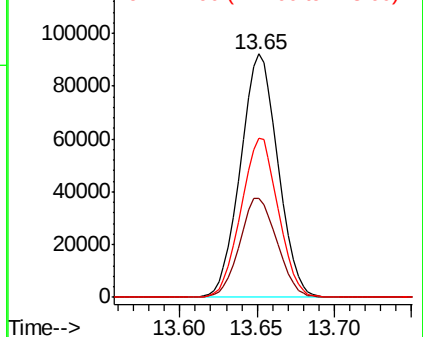


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.440 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

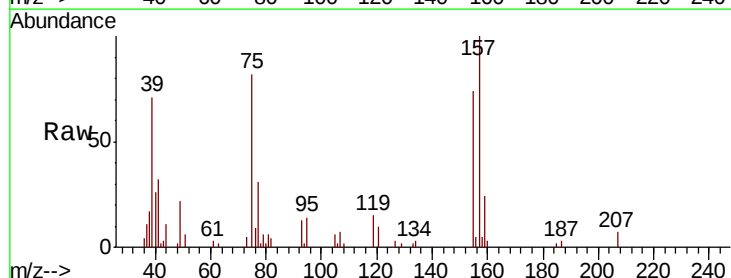
Tgt Ion: 75 Resp: 12921

Ion Ratio Lower Upper

75 100

155 84.7 43.0 129.0

157 112.8 55.7 167.1

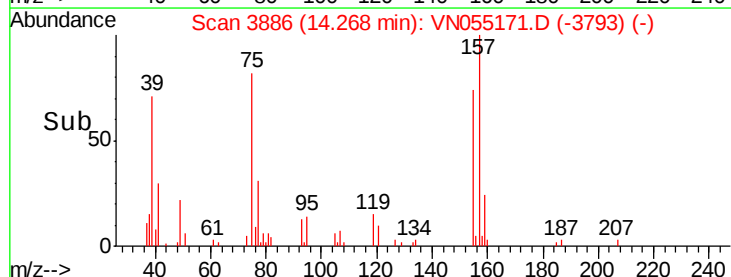
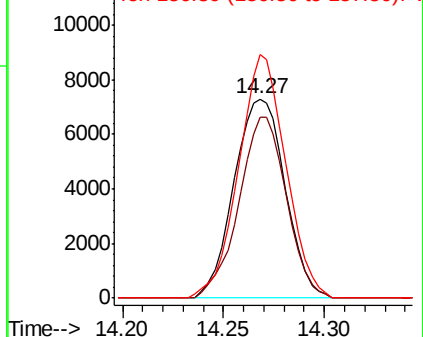


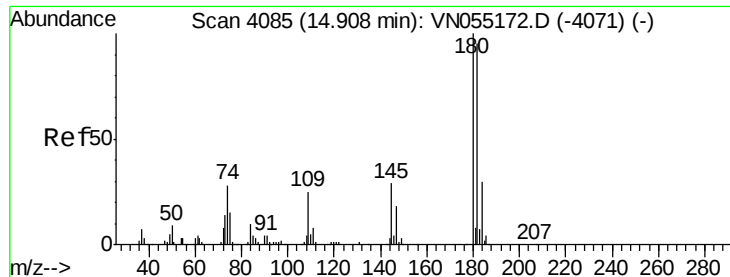
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.179 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

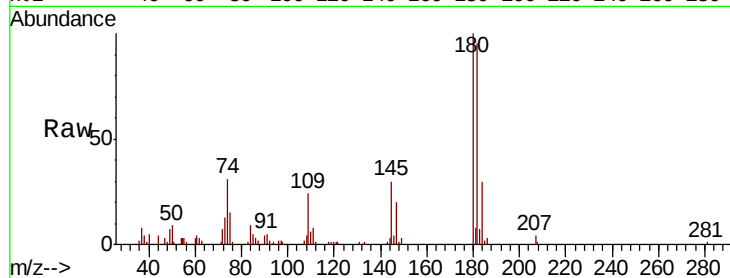
Tot Ion:180 Resp: 54383

Ion Ratio Lower Upper

180 100

182 93.1 47.8 143.4

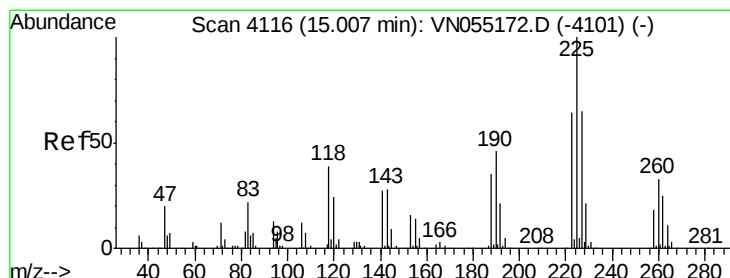
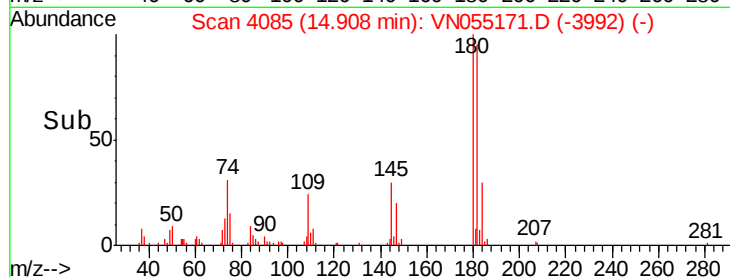
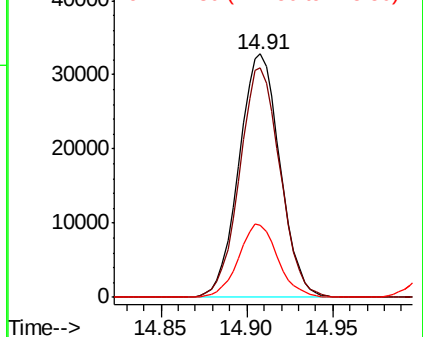
145 28.7 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.243 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

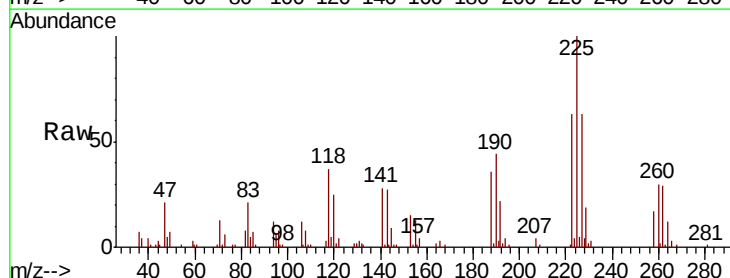
Tgt Ion:225 Resp: 52443

Ion Ratio Lower Upper

225 100

223 60.9 32.2 96.6

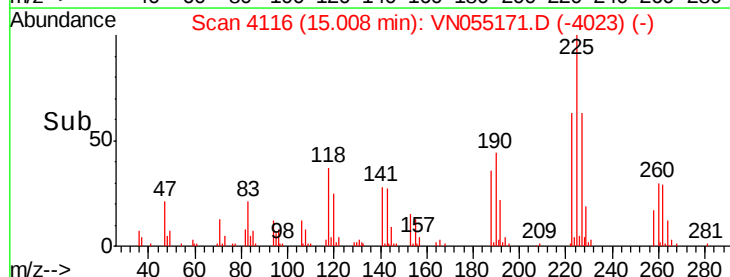
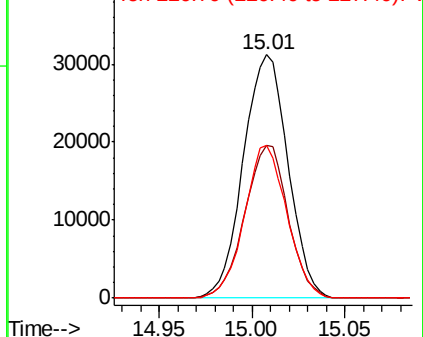
227 59.7 32.6 98.0

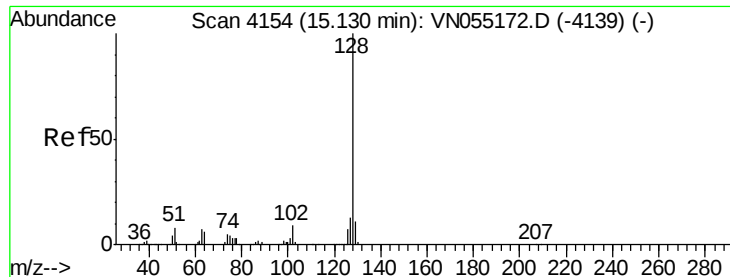


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.624 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

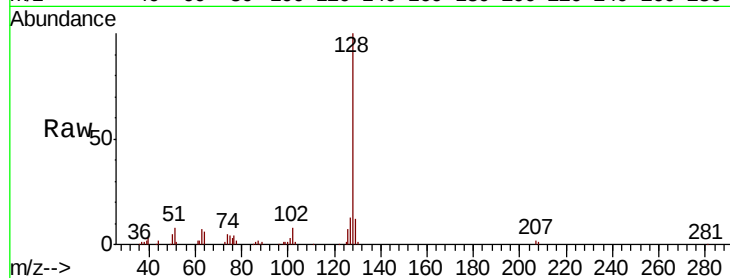
Tot Ion:128 Resp: 111557

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

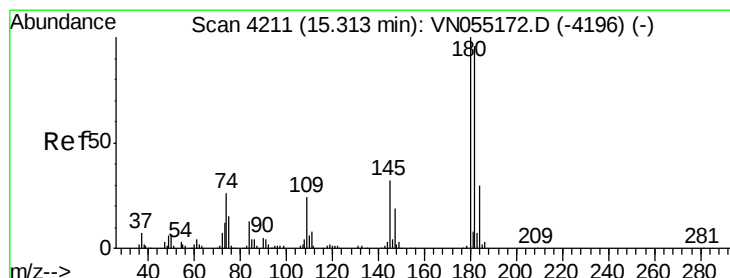
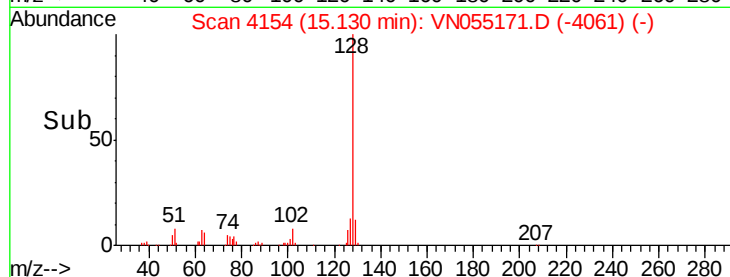
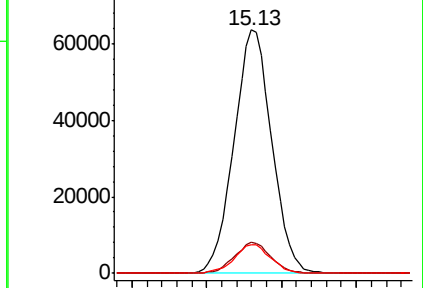
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.439 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055171.D

Acq: 22 Apr 2019 10:12

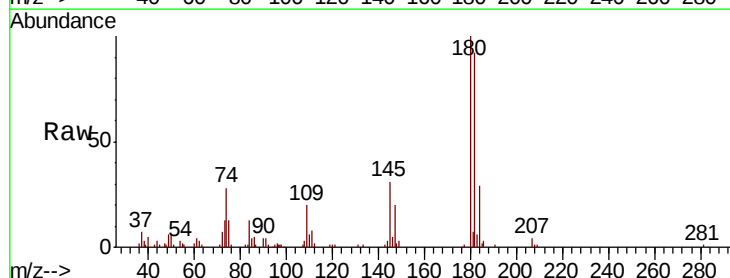
Tgt Ion:180 Resp: 57346

Ion Ratio Lower Upper

180 100

182 92.4 47.2 141.6

145 31.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

